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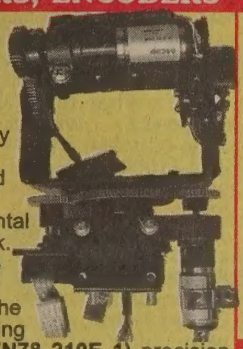
MOTORS, GEARS, ENCODERS



This deal was so good that we wanted to drive the truck back. Swiss made Portescap precision motors with gearboxes, Oak/Grigsby rotary encoders. This assembly was removed from a larger unit and was the vertical/horizontal positoning building block. Anyway, let's cut to the chase. Sold for parts only. No electronics. The unit contains the following parts: ***1-Portescap(17N78 210E 1)** precision motor, 8500RPM, with a gearbox ratio of 352:1. 17mm diameter, 12Vdc, 370mA. Motor and gearbox length is 57.40mm. Shaft length 6mm/diameter 3mm with flatted shaft. ***1-Portescap (17N78 213E 1)** precision motor, 8300RPM, with a gearbox ratio of 166:1 gear ratio. 17mm diameter, 7.5Vdc, 630mA. Motor and gearbox length is 52.20mm. Shaft length 6mm/diameter 3mm with flatted shaft. The gear boxes are interchangeable. ***1-Oak/Grigsby(91Q128-43-0011)** rotary encoder. Panel mount 1" square sealed package with a 1/4" shaft, .4" length. 128 pulses per revolution, 4 pin connector, full quadature decoding. ***1-Oak/Grigsby(91Q128-43-0021)** rotary encoder. Panel mount 1" square sealed package with a 1/4" shaft, .2" length. 128 pulses per revolution, 4 pin connector, full quadature decoding. ***1-Litton(AC6299)** 12 wire slip ring. Motors and Encoders are mechanically and electrically checked before shipment. These Portescap motors and gearboxes are among the finest precision assemblies manufactured. **ACS1447**.....$29.95 or 2/$49.00

COLOR CAMERA

COLOR, or **B/W** security camera. High quality-Do not confuse with low cost CMOS cameras offered by others. 1/3"CCD sensor. Camera is based on state of the art DSP circuitry. Accepts "C" mount or "CS" mount lenses. "CS" adapter included. **Lense not included**. Operates from standard 24Vac transformer. NTSC output-330 horizontal TV lines-2.0 LUX. Camera mount threaded for 1/4"x20. Adjustments on camera include shutter speed, back light compensation, white balance, electronic IRIS, Gamma correction, and automatic gain control. This camera is discontinued from the manufacturer. Manufacturer supplies no support or warranty, but B.G.s 90 day money back guarantee always applies. All cameras are tested prior to shipment. 16 pages of documentation. **CAM1006**..... $19.99
Power supply(wall wart) for above.
PWR1157..... $2.95

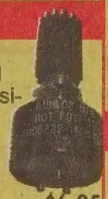
ULTIMATE EMI SHIELD

2 mil conductive aluminum foil tape. 1 inch x 100 yards. Many uses. Put it on the inside, or outside of your most precious projects. Put it on the floor and make your line following robot follow it, or stylize your sunglasses. Keep the emissions off of anything you put this on. **ACS1458**.....$7.95

COVER IT

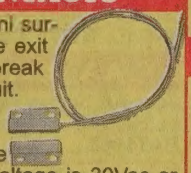
This next series of items make great covers for robots, security cameras, a head of lettuce in the 'fridge, etc. Made of acrylic, they are virtually indestructible, you can even paint on them. They come in several different varieties. The first one is smoked with an outside diameter of 7-11/16", inside is 6-7/8", and 3-1/2" tall. **ACS1453**..... $4.95
Next is smoked, outside diameter 9-1/8", inside 8". and 4" tall. **ACS1454**..... $5.95
Next, clear, outside 11-1/4", inside 9-1/4", 4-5/8" tall. **ACS1455**.....$5.95
Next, clear, outside 11-3/4", inside 9-3/4", 4-78" tall. **ACS1456**..... $5.95

HOT POTZ II



Hot Potz II 100K Crybaby Pot from Dunlop Manufacturing. Effects pedal part with gear. Of course all you musicians will know what this geared rascal fits. It's an original sealed 100k pot from Dunlop. This is a bargain at twice the price. Retails elsewhere for $20-$30. **RES1388**..... $6.95

MAGNETIC CONTACTS



The **MPS-45WG** is a sub-mini surface mount contact with side exit leads. 1" make gap and 2" break gap. SPST closed loop circuit. Switches are closed when magnet is in close proximity and open when contacts are open. Maximum switched voltage is 30Vac or dc/300mA. UL, ULC approved. 12" leads.
ACS1451.....$1.19

24VDC/500MA

24Vdc/500mA. 2.1mm barrel connector with the center positive. UL approved.
PWR1197.....$2.69

THE ULTIMATE HEAT SINK

Okay, this is it. This one has it all. Enough aluminum to build a multitude of soda pop cans(weighs 8 Lbs.), a fan, and a hot air re-director(no, that is not me). The re-director and fan are removable. Fan is 24Vdc, but turns at a pretty good clip at lower voltages. Can be replaced in a snap in bracket. Fan measures 80mm(3-18")x38.1mm(1-1/2"). Heat sink measures 16-1/2"x5"x3-1/4". Fins measure 1-3/4". **ACS1459**..... $19.99

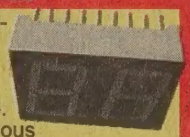
START YOUR MOTORS

3 motor starting caps. Manufactured by Ducati Italy, **10uf/450Vac**, 70 degree C. Measures 1-3/8"x2-1/2".
CAP1111..... $2.49
Arcotronics, **15uf/450Vac**, 85 degrees C. Measures 1-3/8x3". **CAP1112**.....$1.95
Arcotronics, **53-64uf/220Vac**, 65 degrees C. Measures 1-3/8"x2-1/4".
CAP1113..... $2.49

SPST MINI TOGGLE

SPST mini toggle. 6A/125Vac-3A/250Vac. On/off.
SWT1106..... .79 or 10/$6.00

DUAL DEAL



Dual digit bright red LED read-out with right hand decimal. **MAN6110E**--QT Electronics. Easy to read 0.56inch character height. Common anode. 700ucd at 10mA typical luminous intensity. 2.1Vdc/20mA typical. Production quantities available. Measures 25mm(0.98")x19mm (0.75"). **LED1100**..... .49 or 10/$3.30

MIGHTY MITE

VRE 1/3 AA by Saft. This nicad battery, when charged, puts out 1.2V/145mAh and is 1/3 the size of a AA. Engineered for cycling applications. So, get some heat shrink and stack 'em or use them just as they are. Can be fast charged at 130mA in less than an hour. Measures 16.8mmx13.6mm. Bargain time. Brand new. D.C. 2002. **BAT1066**..... .69 or 5/$2.50

BIG ENOUGH TO HANDLE....

This bridge will cover just about anything you want to rectify. A full 50A/1000V. **KBPC5010** by Kest. Heavy duty lugs. Measures 1-1/4" square and 9/16" thick.
DIO1024..... $4.25 or 5/$17.50

MINI POTS

Triangle lay-out. Single turn mini pots by Clarostat. Screwdriver adjust. Measures a little over 1/4" in diameter. Limited quantities.

10 ohm.	**RES1389**.....	.39
200 ohm.	**RES1390**.....	.39
500 ohm.	**RES1391**.....	.39
1K ohm.	**RES1392**.....	.39
5K ohm.	**RES1393**.....	.39
500K ohm.	**RES1394**.....	.39
2M ohm.	**RES1395**.....	.39

ROBOT BUMPERS

Use as bumpers, cushions between parts, etc. They come with sticky on 2 sides. Soft plyable foam bumpers. Put them on the robot so it doesn't "ding" the furniture. Measures 3/4"x1/2"x1/2".
ACS1457.....10/$1.00

ULTRASONIC SENSOR

Here is a neat little gadget. Want to measure when your car gets between 5 and 7 feet from an object? This SonaSwitch will do it. Actually you can use it to see when anything gets within 5 and/or 7 feet from the sensor. Has 2 outputs. Fixed ranges of 5 and 7 feet. One goes off at 7 feet, the other at 5 feet. Just apply 8-15V and hook up a couple of LEDs and watch the fun. Repetitive rate 10 Hz. Three consecutive target hits before turn on, three consecutive target misses before turn off. No visible beam, no reflector needed. Uses: People counter. Turn on cameras, outside lights, or Infrared products. The list is only limited by your imagination. The SonaSwitch, model Mini S, comes completely assembled and mounts in 1.575" hole. 1.70" overall diameter, 0.950" deep. Operating Temperature: -40 to 185 degree F(-40 to 85 degree C). **ACS1446**..... $9.95

TERMS: Add $6.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red label(1 day), Blue label(2 day), and Orange label(3 day), will all be charged according to weight and zone. Orders over $50.00 add .85 for insurance. No C.O.D. Texas Residents add 8 1/4% Tax. 90 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada, add $7.50 minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

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SPUR GEAR WITH HUB

This metal spur gear with hub(no set screw) fits a 3mm shaft. Gear has 46 teeth, and is 23.90mm in diameter. Gear is 5mm thick and hub is 7mm. Diameter of the hub is 15.98mm. That's about all I know about it except it meshs with the segment gear ACS1449. Takes a 3x.5mm set screw. **ACS1448**..... **.99**

SEGMENT GEAR WITH HUB

90 degree metal segment gear with brass bushing. 50 teeth. Fits a 7mm shaft. Threaded mounting holes take a 3mmx .5mm screw. Hub diameter is 11.97mm and is 2mm thick. Diameter is 38.15mm. Metal gear meshs with the spur gear acs1448. **ACS1449**..... **$1.49**

RING GEAR

This ring gear is made of metal and has 100 teeth. Measures 63.15mm diameter. Inside diameter is 44.31mm. Gear thickness is 7.03mm. Threaded mounting holes take 6-32 screws. **ACS1450**..... **$2.95**

RCA CABLE

RCA male to 2 RCA female. 10" in length.
CAB2104..... **.60 or 2/$1.00**

RCA/COAX

6 foot, 75 ohm, 3C-2V coax cable. RCA male to male. **CAB2105**.. **.89**

SOLDERING IRONS

120Vac input. 30 watt soldering Iron. UL approved. **PWR1194**..... **$5.95**
120Vac input. 60 watt soldering Iron. UL approved. **PWR1195**..... **$7.95**

3.5MM STEREO/2 RCA MALE

3.5mm straight male stereo to 2 RCA male 6 foot cable.
CAB2089..... **$1.95**

INTRUSION SENSOR

The invisible beam intrusion sensor is an indoor security accessory. The pulsed infrared beam has a range of 30 ft. Simply furnish 12Vdc/60mA and you are off and running. Built in beam alignment indicator simplifies installation. Install across doorways, a window, or anywhere you want an early warning. Relay switched terminals let you connect the sensor to an alarm's NO or NC contacts. **ACS1452**..... **$12.95**

220VDC MOTOR

Hefty medium sized motor by Johnson. 220Vdc. At 6Vdc, RPM is 208. At 12Vdc, RPM is 483. Makes a nice pulsed generator, also. Shaft length measures 19.40mm in length and diameter is 5mm with a flatted shaft. Motor measures 66mm long and 24mm diameter. It weighs 10.5 Oz. Reversible.
MOT1036..... **$2.95**

IR LEDS

T 1-3/4(5mm) IR LEDs. 1.5Vdc, 100mA continuous, 940nm, 20 degree viewing angle in a water clear package. **LED1067**... **.20**
1.5Vdc, 100mA continuous, 850nm, 20 degree, clear. **LED1101**..... **.40**
1.5Vdc, 100mA continuous, 850nm, 50 degree, clear. **LED1102**..... **.40**
1.5Vdc, 100mA continuous, 880nm, 20 degree, clear. **LED1103**..... **.30**
1.5Vdc, 100mA continuous, 880nm, 50 degree, clear. **LED1104**..... **.30**

40UHY COIL

A 40uHy coil with a fixed ferrite slug. Measures 1"x1/2". Mounts on 11/16". 16 gauge wire. **COL1072**..... **4/$1.00**

ANOTHER SPLIT BEAD

Ferrite split beads with snap sleeves. Open 'em up, insert wire, snap shut and block RFI forever. .27"ID. 1-5/16"x5/8". **COL1073**..... **.99**

CIRCUIT BREAKER/SWITCH

This 80V, 20A circuit breaker by Airpax also has a common, NO, NC contacts on the back of the breaker so you can use it as a switch. **SWT1105**..... **$1.49**

AA BATTERY HOLDER

Four AA battery holder with a 9V battery clip. A useful holder.
BAT1068..... **.79 or 2/$1.20**

Four AA battery holder with positive and negative wires. Another useful holder.
BAT1068..... **.79 or 2/$1.20**

SPDT 120VAC RELAY

SPDT. NTE part number R10-5A10-120F. 120Vac coil. 10A contacts. Mounting holes on 2-1/2" centers.
REL1063..... **$2.95**

DPDT 120VAC RELAY

DPDT. NTE part number R55-11A20-120F. 120Vac coil. Contact ratings: 13A/28Vdc, 20A/15Vdc, 25A/300Vac. Mounting holes on 2-1/2" centers.
REL1064..... **$4.95**

250K LOCK DOWN

Dial in any resistance between 0-250k with this panel mount, screwdriver adjust, pot and lock it down with the self tightening nut. It'll stay until you change it. 1/4" in diameter shaft. Shaft length 7/16". Comes with mounting hardware. Clarostat 381L series.
RES1399..... **.99**

12VDC BOSCH STYLE

12Vdc Bosch style SPST relay. Normally open. 30A contacts. Coil resistance 80 ohms. Fits relay socket REL1060. **REL1065**..... **$2.35**

SPDT 5V REED RELAY

SPDT reed relay by Elec-trol fits in a 14 pin DIP package. 5Vdc. Coil resistance is 180 ohms. Better hurry on this one. **REL1066**..... **.79**

MIRROR ON A STICK

Use this disposable mirror to look down your gullet, or to determine if you have a growth on a part of your body that you can't see. Oh, c'mon, we all do it. What does this have to do with electronics.....absolutly nothing. Well you could try to find that screw that you dropped inside your $1000.00 stereo. **ACS1435**..... **.39**

LCDBUG

The **LCDbug** is an alphanumeric, liquid crystal display(LCD) module with a serial interface. The small size, and creative feature set, combine to produce an exceedingly affordable component that is very easy to use. The modular design of the **LCDbug** allows it to be easily added to almost any circuit. It plugs in just like an IC. The expanded access to all the microcontroller pins allows the resourceful user to modify the basic behavior to suit new applications. Many free development tools are available to facilitate this process. As shipped, the **LCDbug** is a full-featured serial LCD. The **LCDbug** comes completely assembled and programmed. **Features**: 2 line×8 character display. 5×7 dot font. Dark blue characters on a light gray background. Fixed display contrast. No backlight. Serial interface. TTL-level interface. 9600 baud, 8 data bits, 1 stop bit. No parity. No handshaking. 96 character buffer. Processor-Preprogrammed Atmel AVR RISC microcontroller-ATtiny26. 8MHz internal calibrated oscillator-almost 8 MIPS. 2K reprogrammable flash memory-use existing code, or write your own. 7 additional I/O lines available. Low power: +5V@10mA max (6mA typical), and 1mA in power save mode. Compact size due to chip-on-board and surface mount components. All processor pins brought out to 20 pin, .6" headers. Module can easily be plugged into wireless breadboards. Power, ground, and serial input are the only required connections. For more info, go to www.bgmicro.com and then look under "Technical Documents". Introductory offer. **LCD1027**..... **$19.95**

CR2032 WITH LEGS

A CR2032 with legs. Mount this battery on your next project. It's a bargain.
BAT1067..... **.49**

8 PIN OCTAL SOCKET

An 8 pin PC mount octal socket. Good for tubes or relays. **SOC1024**..... **.99**

2 OHM ADJUSTABLE

2 ohm, 25 watt, adjustable resistor. Measures 2"x1-1/4"x1/2".
RES1396..... **$1.25**

25 WATTERS

120 ohm, 25 watt. **RES1397**..... **.69**
3500 ohm, 25 watt. **RES1398**.... **.49**
Measures 2"x1-1/4"x1/2".

LED BOARD

This board has 8 MAN4740As, C.C., RH decimel readouts in sockets and 2 MAN6740s, a bar graph display and 2 DPDT momentary switches soldered to the board. **LED1105**..... **$1.99**

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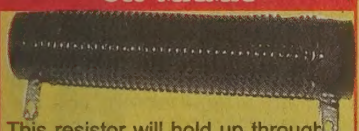
DSS AMPLIFIER

Repeat of a sell out. By RCA. Connect between the LNB and the receiver. Amplifies signal to overcome signal loss. Gain 13-18DB/950-2050mHz.
ACS1390..... **$4.95**

MULTI--SWITCH

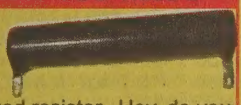
Repeat of a sell out. Dual LNB/distribution multi-switch. Allows one satellite dish to operate up to four satellite receivers. Can also be used with VHF/UHF outdoor antennas.
ACS1325..... **$24.50**

OH MAMA



This resistor will hold up through rain, cold, sleet, snow,..... oh yeah, that's the postman, isn't it? Well anyway, this **33 ohm 500 watt** fixed resistor will certainly do what you need doing. Measures 10-1/2" longx1-5/8" diameter. Heck, if nothing else, use it as a paper weight.
RES1386..... **$6.95**

1.5 OHM 100 WATT



Another good resistor value. **1.5 ohm, 100 watt** fixed resistor. Hey, do you know what you would have if you put 3 of these in series.....$8.85 worth of resistors. Okay, enough of my ludicrous folly. Measures 6-1/2" long x 3/4" diameter.
RES1387..... **$2.95**

CUTTER/STRIPPER

The perfect size cutter/stripper. Cut with one end, strip with the other. There has got to be a joke there somewhere. Stripper self adjusts to wire size. Strips wire sizes 14AWG to 26AWG. **TOL1023**..... **$8.95**

3 TERMINAL AC

16.5Vac/15vA by Bassler. 3 screw terminals. 16Vac at 900 mA. Plug it in and it just goes. Brand new. UL, CSA.
PWR1196..... **$3.75**

ALARM INDICATOR

Alarm indicator fuse. AX70-D 5A 300Vdc. Color code: Green. When it is blown, it pops out the indicator on the end. Not resettable. 3AG size. **FUS1123**..... **.29**

LM34DZ/LM35DZ

LM34DZ-Precision Fahrenheit temperature sensor. +32 degrees to +212 degrees F. Callibrated directly in degrees F. TO-92. Operates from 5-30V. **TRNLM34DZ**..... **$2.29**
LM35DZ-Precision Centigrade temperature sensor. 0 degrees to +100° C. Calibrated directly in degrees C. TO-92. Operates from 4 to 30 volts. **TRNLM35DZ**..... **$1.59**
Want data on the 2 parts above? Go to **www.bgmicro.com**, then go to "Technical Documents."

V/F OR F/V

AD650JN. Voltage to frequency or frequency to voltage IC in a 14 pin DIP. Conversions to 1MHz. Useful as a high resolution analog-to-digital converter. Compare pricing at Futurlec and Digi-key. Both sell for over $13.00. Check the specs on our "Technical Documents" page to see what else this IC can do. **ICSAD650JN**.....**$4.95**

LM1084IT-ADJ

LM1084IT-ADJ. An adjustable 5A low dropout positive regulator in a TO-220 case. Current limiting and Thermal protection. You set the output voltage with only two resistors. Maximum dropout of 1.5V at 5A of load current.
REGLM1084..... **$1.95**
Check out the specs at www.bgmicro.com, under "Catalog/Tech Docs".

MATROX

Matrox Flat Panel MDR20. PanelLink upgrade for Productiva G100, Millennium G200, Millenium G200 SD, and the MGA-G200 SD. Why pay retail when you can get this brand new factory packaged upgrade for a fraction of the cost. Attaches to Matrox feature connector port to MGA-G200-based. ATX format graphics cards. **COM1181**..**$11.95**

MICRO REPEATER

CentreCOM two port ethernet Micro Repeater. Features: AUI to UTP 2 Port Micro Repeater 10 Mbps Ethernet micro repeater. AUI female port - 10Base-T (RJ-45/twisted pair). Internal power supply. Jabber lock-up protection provided, Operating LEDs included, Link test function for twisted-pair cabling. Device automatically suspends/reinstates overloaded ports. Device supports automatic detection and correction of cable polarity. A built-in 10Base2 terminator (terminator resistor) can be enabled or disabled by a switch. Brand new. Retail is $213.95, our price is.....**COM1182**..... **$19.95**

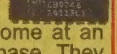
L293D DRIVER

L293D. The L293D is a quadruple high current half-H driver. Provides bidirectional drive currents of up to 600mA at voltages from 4.5 to 36V. This will get those robots or stepping motors running. Comes in a 16 pin DIP package. **ICSL293**.... **$2.59**

CIRCUITS

NE556. Dual timer, surface mount. **ICS556SM**..... **4/$1.00**
ADC0848. 8-bit microprocessor compatible A/D converter. **ICSADC0848**..... **$4.95**
AD7530. 10-Bit, 12-Bit, multiplying D/A converters. **ICSAD7530**..... **$1.35**
IP3525. PWM switching Regulator. **ICSIP3525**..... **$2.25**
ADM237LJN. 5V powered CMOS RS-232 drivers/receivers. Includes 5 drivers and 3 receivers in a .3" 24 pin dip package. **ICSADM237**..... **.99**
GD75232N. Combines 3 RS-232 drivers and 5 receivers(1488-1489 compatible) in a 20 pin dip package. **ICSGD75232**..... **.79**
MC33174. 8 pin dip, low power Op Amp. 3-44V or +/-1.5 to +/- 22V supply voltage. Bandwidth to 1.8mHz. **ICSMC33174**..... **.89**
LM2936-5. Ultra-low quiescent current 5V regulator. 5V, 50mA output. TO-92 package. 5-40V operating voltage. **REGLM2936**..... **.59 or 3/$1.35**
UC3842. Fixed frequency current-mode PWM controller. 8 pin mini dip. **ICSUC3842**..... **.99**

Now here is a dandy little op-amp. The **OP27GZ** is an 8 pin mini DIP, ceramic, extended industrial strength op-amp. An excellent choice for professional audio applications. Direct replacement for 725, OP06, OP07, and OP45 amplifiers. 741 types may be directly replaced by removing the 741's nulling potentiometer. For the complete 20 page data, go to **www.bgmicro.com**, then go to "Technical Documents". Introductory offer. **ICS1023**..... **.99**



SSI202. We have been out of these for at least a year, but we found some at an OEM and made the purchase. They are brand new. **ICSSSI202**.....**$6.95 or 10/$65.00**

FUSE HOLDERS

3AG fuse holder. Panel mount type. New Price. **FUS1008**.... **.59**
3AG Fuse Clips PC board mount. **FUS3AGCLIP**..... **25/$1.00**

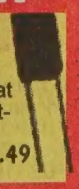
Dual 3AG fuse holder. FUS1112..... **.69**

3 in-line fuse holders, each with a 2 amp fuse. Cut 'em loose, hook 'em up, blow 'em out, 'cause we got more. **FUS1108**..... **.99**

3AG(AGC) FUSES

3AG(AGC) Quick Blow
1/4 Amp. FUS1020..... .19
3/8 Amp. FUS1021..... .19
3/10 Amp. FUS1118..... .19
1/2 Amp. FUS1022..... .19
3/4 Amp. FUS1023..... .19
1 Amp. FUS1024..... .19
1.25 Amp. FUS1025..... .19
1.5 Amp. FUS1026..... .19
2 Amp. FUS1027..... .19
2.5 Amp. FUS1028..... .19
3 Amp. FUS1029..... .19
3 Amp. **Pig Tails** FUS1104..... .29
3.5 Amp. FUS1030..... .19
4 Amp. FUS1031..... .19
5 Amp. FUS1032..... .19
5 Amp. Ceramic. 3AB FUS1117..... .19
6 Amp. FUS1033..... .19
6 AMP. Ceramic. **Pig Tails** FUS1105..... .29
6 Amp. Ceramic 3AB FUS1064..... .29
7 Amp. FUS1034..... .19
8 Amp. FUS1035..... .19
8 Amp. Ceramic ABC FUS1065..... .29
10 Amp. FUS1036..... .19
10 Amp. Ceramic 3AB FUS1066..... .29
12 Amp. FUS1037..... .19
12 Amp. Ceramic ABC FUS1067..... .29
15 Amp. FUS1038..... .19
20 Amp. FUS1039..... .19
25 Amp. FUS1040..... .19
3AG(AGC) Slow Blow
.01 Amp. FUS1107..... .29
.1 Amp. FUS1106..... .29
1/8 Amp. FUS1043..... .29
3/8 Amp. FUS1045..... .29
3/10 Amp. FUS1115..... .29
1/2 Amp. FUS1046..... .29
3/4 Amp. FUS1047..... .29
1 Amp. FUS1048..... .29
1.25 Amp. FUS1049..... .29
1.5 Amp. FUS1050..... .29
1.6 Amp. FUS1051..... .29
2 Amp. FUS1052..... .29
2.5 Amp. FUS1053..... .29
3 Amp. FUS1054..... .29
3.5 Amp. FUS1055..... .29
4 Amp. FUS1056..... .29
5 Amp. FUS1057..... .29
6 Amp. FUS1058..... .29
7 Amp. FUS1059..... .29
8 Amp. FUS1060..... .29
10 Amp. FUS1061..... .29
12 Amp. FUS1062..... .29
15 Amp. 32 volt. FUS1063..... .29
15 Amp. 250 volt. FUS1116..... .29
2AG Pig Tail
3/4A 250V FUS1110..... .15
1.5A 250V 2AG Slo Blo FUS1111..... .20

THERMAL CUTOFF



This thermal cutoff is good for 3 amps and 250 volts. Cuts off at 115 degrees C. So if you have something that is getting too hot, put this cut-off on it and let it cool down.
ACS1305..... **.49**

TERMS: Add $6.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red label(1 day), Blue label(2 day), and Orange label(3 day), will all be charged according to weight and zone. Orders over $50.00 add .85 for insurance. No C.O.D. Texas Residents add 8 1/4% Tax. 90 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada, add $7.50 minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

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METRIC FUSES

Metric 5 x 20mm Quick Blow
.25 Amp. FUS1068..... .19
.315 Amp. FUS1069..... .19
.50 Amp. FUS1070..... .19
.7 Amp. FUS1071..... .19
.75 Amp. FUS1072..... .19
1 Amp. FUS1073..... .19
1.25 Amp. FUS1074..... .19
1.5 Amp. FUS1075..... .19
1.6 Amp. FUS1120..... .19
2 Amp. FUS1076..... .19
2.5 Amp. FUS1077..... .19
3 Amp. FUS1078..... .19
3.15 Amp. FUS1114..... .19
3.5 Amp. FUS1079..... .19
4 Amp. FUS1080..... .19
5 Amp. FUS1081..... .19
6 Amp. FUS1082..... .19
7 Amp. FUS1083..... .19
8 Amp. FUS1084..... .19
10 Amp. FUS1085..... .19
12 Amp. FUS1086..... .19
15 Amp. FUS1087..... .19

Metric Quick Blow PigTails
.350 Amp. FUS1088..... .19

Metric 5 x 20mm Slow Blow
.25 Amp. FUS1089..... .29
.315 Amp. FUS1090..... .29
.50 Amp. FUS1091..... .29
.630 Amp. FUS1113..... .29
.75 Amp. FUS1092..... .29
1 Amp. FUS1093..... .29
1.5 Amp. FUS1094..... .29
2 Amp. FUS1095..... .29
2.5 Amp. FUS1096..... .29
3 Amp. FUS1097..... .29
3 Amp. Pig Tail. FUS1121..... .29
3.5 Amp. FUS1098..... .29
4 Amp. FUS1099..... .29
5 Amp. FUS1100..... .29
6 Amp. FUS1101..... .29
8 Amp. FUS1102..... .29
10 Amp. FUS1103..... .29

THERMAL FUSE

Non resettable, axial, upper-limit temperature protection thermal fuses. Over 10 Amps continuous current. 141 degrees C.
FUS1015..... **3/$1.00**
152 degrees C. **FUS1016**...**3/$1.00**
184 degrees C. **FUS1017**...**3/$1.00**
216 degrees C. **FUS1018**...**3/$1.00**
228 Degrees C. **FUS1019**...**3/$1.00**

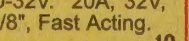
ROUNDER

4 Amp fuse 250 Volt fuse by GE. 1/4" lead spacing.
FUS1006..... **.49**

AGA20 32VOLT

Bussman AGA20-32V. 20A, 32V, F, Glass 1/4" X 5/8", Fast Acting.
FUS1122..... **.19**

PICO FUSES

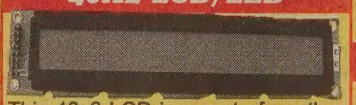


3 amp pico fuse.
FUS1009..... **3/$1.00**
1/2 Amp 125 Volt.
FUSP3251..... **10/$1.00**
2A 125V Picofuse.
FUS1109..... **3/$1.00**

LCD PANEL METER

Compact, 3-1/2 Digit, reflective LCD Digital panel meter with black plastic bezel & face plate. Chip On Board design for economy and compactness. Ideal for battery powered monitoring or test equipment. Will measure it's own power. This meter has several ranges and is jumper selectable. ***ADC**: 200mA. ***ACV**: 200mV/2V/20V/200V/500V. ***VDC**: 200mV/2V/20V/200V/500V. Selectable Power: 9VDC (Isolated power) or 5VDC (input & power common Ground). 1/2" character height. Adjustable decimal point. Auto polarity >100Mohm input impedance. 2 readings/second, .8% accuracy (1%AC). Through panel mounting. Measures 2-5/8" x1-3/4"x3/8". **MET1031**..... **$8.95**

40X2 LCD/LED



This 40x2 LCD is a part of another module. Remove 6 screws and you have a brand new LCD with an LED back light. 8 bit interface. Includes the HD44780 controller or equivalent. Panel measures 7-1/4"x 1-1/4". Viewing area: 6"x5/8". The 5x8 dot matrix characters measure 3.20mm (1.26")x5.55mm(2.19"). You had better sit down because here comes the price and I don't want anyone passing out.
LCD1025....**$5.95 each or 3/$14.00**

20X2 EL BACK LIT

Brand new 20x2 LCD by Fujitsu. 4 bit interface. Includes the HD 44780 controller or equivalent. Panel measures 3-1/4"x2-1/8". Viewing area: 2-3/8"x 5/8". Blue EL backlight requires EL inverter(Not included).
LCD1022..... **$4.95**

INTELLIGENT DISPLAY

A serial, parallel VFD. You don't need a back light for this baby because it is a beautiful, blue green, vacuum fluorescent. Hook the 1x16 alpha numeric display up to 5Vdc, plug in the DB9 connector to your serial port, and begin sending data. It is that simple with this B.G. Micro exclusive. If you prefer parallel, simply remove the third board with the DB 9 connector and you are "good to go" parallel. Measures 4.25"x1.8"x1". The 5x7 dot matrix characters are 3.5x5mm. The built-in inverter powers everything. Very limited quantity. **ACS1385**..... **$14.95**

8 DIGIT COUNTER

8 Digit frequency counter, super sensitive and stable. Easy to view. Green LED readouts. Measure any frequency between 10Hz and 2.4GHz. Has 4 gate times: 0.1s, 1s, 5s, and 10s. Input: 2 Channels plus a crystal oscillator measuring terminal.
Crystal: 3.5MHz-16 MHz.
Power: 110Vac/230Vac, 50/60Hz.
Specifications:
Input selectable: **Channel A**: 50MHz-24 MHz. **Sensitivity**: 25mV rms/200mV rms. **Input impedance**: 50 Ohms. **Maximum input**: 3V. **Channel B**: 10 Hz-50 MHz. **Sensitivity**: 20mV/80mV rms. **Input impedance**: 1M Ohm (<35pF). **Maximum input**: 30V. Measures 10.6"x8.5"x4". **Suggested Retail: ~~$199.95~~...not here**. **MET1032**..... **$119.99**

ANALOG METERS

Dress up the equipment with these analog meters. Outside measurements 60mm(2-3/8")x47mm(1-13/16").
50uAdc. **MET1017**..... **$8.95**
50mAdc. **MET1018**..... **$8.95**
100mAdc. **MET1019**..... **$8.95**
500mAdc. **MET1020**..... **$8.95**
3Adc. **MET1021**..... **$8.95**
5Adc. **MET1022**..... **$8.95**
10Adc. **MET1023**..... **$8.95**
30Adc. **MET1024**..... **$8.95**
15Vdc. **MET1025**..... **$8.95**
30Vdc. **MET1026**..... **$8.95**
300Vac. **MET1027**..... **$8.95**

LED PANEL METER

3-1/2 digit **LED** digital panel meter with black plastic bezel and face plate. .56" character height. 200mV input sensitivity. Four voltage ranges-200mV-20V-200V-500V. Adjustable decimal point, automatic polarity indication, zero reading for 0 volt input, and high input impedance(>100 Mohm). 2-5/8"x1-3/4"x1". Many applications.
MET1003..... **$16.95**
Divider network resistors for making your own DC meter. **RES1008**..**$1.25**

16X1 LCD

These 16x1 LCDs were pulled from medical equipment. The dimensions are 3"x1-1/8"x3/16". Character height .26". They all come in the plastic bezel, and include the HD44780 controller. 8 bit interface.
LCD1003.....**$2.99 or 10/$27.00**

LCD PANEL METER

3-1/2 digit **LCD** digital panel meter with black plastic bezel and face plate. 13mm character height(Approx. 1/2"). 200mV input sensitivity. Four voltage ranges-200mV-20V-200V-500V. Adjustable decimal point, automatic polarity indication, zero reading for 0 volt input, and high input impedance(>100 Mohm). Many applications. 2-5/8"x1-3/4"x1". **MET1006**.....**$7.95**
Divider network resistors for making your own DC meter. **RES1008**...**$1.25**

MULTIMETER/TEMP. F

You think the meter above is double throw down, wait until you read the specs on this one. This is like a miniature lab that fits in your hand. It has a low battery indicator, over-load protection and auto power off function. It will measure DC to 20A and voltage to 1000V, and AC to 20A and voltage to 700V. Resistance measurements to 20M ohm, and capitance measurements from 2000pF to 20mF. It measures frequency to 20kHz, and temperature from -50 to +1000 degrees F. The accuracy on the above functions is incredible. This LCD multimeter comes with a holster. The price is also incredible.
MET1033..... **$44.50**

MULTIMETER/TEMP. C

You think the meter above is double throw down, wait until you read the specs on this one. This is like a miniature lab that fits in your hand. It has a low battery indicator, over-load protection and auto power off function. It will measure DC to 20A and voltage to 1000V, and AC to 20A and voltage to 700V. Resistance measurements to 20M ohm, and capitance measurements from 2000pF to 20mF. It measures frequency to 20kHz, and temperature from -50 to +1000 degrees C. The accuracy on the above functions is incredible. This LCD multimeter comes with a holster. The price is also incredible.
MET1015..... **$44.50**

ECONOMICAL

19 measuring ranges. DC voltage 200 mvolts to 500 volts. AC voltage 200 volts to 500 volts. DCA 200 micro amps to 10 amps. Resistor 200 ohms to 2000 kohms. Test diodes and measure hFE on transistors. Measures 3-3/4"x1-3/4"x 3/4". **MET1016**.....**$6.95**

TERMS: Add $6.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red label(1 day), Blue label(2 day), and Orange label(3 day), will all be charged according to weight and zone. Orders over $50.00 add .85 for insurance. No C.O.D. Texas Residents add 8 1/4% Tax. 90 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada, add $7.50 minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

The supply voltage and the voltage to be measured on MET1003, and MET1006, must have separate grounds.

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HOLD & BACK LIT

This digital multimeter measures AC and DC voltages up to 600 volts, DC to 10A, checks diodes and transistors, and has 5 resistance ranges. Measure the hFE of any transistor from 0-1000. When you push the hold button, the meter will retain the last reading until the button is pushed again. The meter is encased in a yellow rubber holster. Oh yeah, did I forget to tell you that the meter has a back light for the LCD display. The meter is fused and 9 volt battery powered. **MET1014**.....$15.95

MEASURE IT

This 4 digit LCD digital multimeter will do it for you. It is auto ranging and will measure **DCV**- Range-400mV, 4V 40V, 400V, 1000V. **ACV**- Range-400mV, 4V, 40V, 400V, 750V. **DC current**- Range-400uA, 4mA, 40mA, 200mA,10A. **AC current**- Range-400uA, 4mA, 40mA, 200mA, 10A. **Resistance**- Range-400 ohms, 4K ohms, 40K ohms, 400K ohms, 4M ohms, 40M ohms. **Frequency counter**- Range-40Hz, 400Hz, 4000Hz, 40KHz, 400KHz, 4MHz, 30MHz. **Capacitance** measurement- Range-4nF, 40nF, 400nF, 4uF, 40uF, 200uF. Good grief Fred, it even comes with a protective holster and a 2 angle stand. All this for just..... **MET1028**..... $47.55

COUNT THIS

24 volt pulse counter. Resets to "0". **MET1011**.....$2.95

OPTICAL SWITCH

Dual channel slotted optical switch by GI. Photo transistor. Vceo 50v. Vce=12 V. GI Q4815. With data. **SWT1031**..... 5/$1.00

DIP SWITCHES

2 Position	.35
4 Position	.40
5 Position	.35
6 Position	.70
7 Position	.50
8 Position	.50
10 Position	.60

Right angle 8 position dip switch. Very popular item. Get'em while you can. **SWTRA8DS**.....4/$1.00

12 POSITION DIP

12 position DIP switch. We have been sold out of these for a long time. **SWT12DS**..... .59

KEY-LOCK SW.

This electronic key switch will keep all your "goodies" safe from "goobering" hands. Off-on. With hardware. 15/16"LX19/32" diameter head. Mounts in .475" hole. **SWT1083**..... .69 or 4/$2.00

ROCKERS

DPDT rocker. Mounting holes 1-1/2". 2A/250Vac 5A/125VAC. **SWT1055**..... .49

MINI ROCKER #2 BY FUJI Made in Japan. Very high quality. DPDT 10 amps. **SWT1003**..... .99

SPST lighted rocker. Takes 2-2.5Vdc to light the switch. Rating 6A/250V. Snap-in. 5/8" x1/2". **SWT1086**..... 4/$1.20

Mini rocker by C&K switch. DPDT. Very high quality. 5 Amps/125 Vac. **SWT1032**..... .79

LOCKING TOGGLE

Locking toggle SPDT by Alco. Pull up on the handle and change positions. **SWT1029**..... .99

MINI TOGGLES

MINI TOGGLE SWITCHES WITH HARDWARE

SPDT 6A. **SWT1010**..... .85
SPDT C.O. 6A. **SWT1011**..... .99
SPDT C.O. Spring Return 6A. **SWT1012**..... .99
DPDT 6A. **SWT1013**..... .99
DPDT C.O. 6A. **SWT1014**..... .99

MICRO SWITCH

2-SPST Micro switches in parallel on a wire. The switches are N.O. The switch has a positive click action. 15 amps 125/250VAC. **SWT1063**..... .39

HEADERS

Snapable pins .10" center 2x17 straight male. **ACS1019**..... .33 or 4/$1.00
.1 center 1x36 straight male. **ACS1428**..... .33 or 4/$1.00

JUMPER

2 Pin Dip Jumper (Shorting Blk) Size .1". **ACS1018**..... .04

PUSH BUTTON

Normally open red push button switch. With hardware. **SWT1002**.... 3/$1.00
Normally closed black push button. With Hardware. **SWT1084**..... 3/$1.00

NC MICRO

SPST Normally closed Micro switch. Rated at 20.5A, 125/250Vac. Measures 28mmx10mmx 15.9mm. **SWT1085**..... .99

UP TO 2HR TIMER

Normally Open mechanical timer. Set the timer and control 15 amps up to 2 hours or less. Acurracy is +/- 10%. Shaft is 4mm and half moon type. **ACS1355**..... $3.95

FIVE IN A ROW

Module. 5 1/4" SPST N.O. push button switches on a module. **SWT1020**.....3/$1.00

PUSH BUTTON

SPST push button switches. Positive "click" action. .2" spacing. Normally open. Switches are 7/16" in diameter. **SWT1008**..... .39 or 3/$1.05

PUSH BUTTONS

Push on/push off. 3 amp 125 VAC. Red top. Mounting hole 7/16". 1-1/4" long. **SWT1060**..... .89 or 3/$2.00

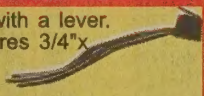
Push on momentary. 3 amp 125 VAC. Red top. Mounting hole 7/16". 1-1/4" long. **SWT1061**..... .89 or 3/$2.00

NO/NC MOMENTARY

NO/NC, momentary, right angle. No threads. **SWT1074**.....4/$1.00

Normally open/normally closed momentary switch by Unimax. 15A/125, 250Vac. Solder lug or quick connect terminals. No hardware. Switch measures 1-3/4"x5/8"x5/8". **SWT1093**.....$1.25 ea or 10/$9.95

SWITCH IT



Micro switch with a lever. Switch measures 3/4"x 5/8". Lever is 7/8" long. SPDT makes it very useful. **SWT1082**..... .99

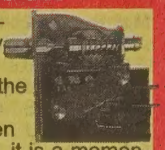
SWITCHES

Push on/Push off. SPST 5 Amp 250Vac for video monitor and power supplies with mounting bracket. New price. **SWT1021**.....5/$1.00

SMALL PADDLE

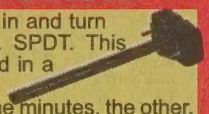
Small paddle switch SPDT. C&K switch number 7101. Paddle measures 7/16" tall. Another special from B.G. **SWT1004**.....5/$1.00

INTERLOCK



This is a SPDT interlock switch. Usually found on doors. Close the door, cut the circuit off, open the door, cut it on. When all is said and done, it is a momentary SPDT switch. **SWT1091**..... .99

WEIRD SWITCH



Push the shaft in and turn either direction. SPDT. This switch was used in a car clock. One way adjusted the minutes, the other, seconds. The shaft is 2-3/8" long. **SWT1005**..... .20

DECIMAL SWITCH

1 pole decimal switch. Thumbwheel or flat blade adjust. 10 position. Nothing else to say. **SWT1094**..... .20 ea or 6/$1.00

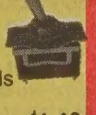
HEAVY DUTY

"On-Off-On"(SPDT). 3 positions, center off. 3 screw terminals. 20A/125V-15A/250V AC. Mounting stem 15/32. 32 thread, 11/32"L. Fits panels through 1/4" thick. **SWT1089**.....$1.59

"On-Off"(SPST). 2 positions. 2 screw terminals. 20A/125V-15A/250V AC. Mounting stem 15/32. 32 thread, 11/32"L. Fits panels through 1/4" thick. **SWT1090**.....$1.29

"On-On"(SPDT). 2 positions. 3 screw terminals. 20A/125V-15A/250V AC. Mounting stem 15/32. 32 thread, 11/32"L. Fits panels through 1/4" thick. **SWT1096**.....$1.29

"On-Off-On"(DPDT). 3 positions, center off. 6 screw terminals. 20A/125V-15A/250V AC. Mounting stem 15/32. 32 thread, 11/32"L. Fits panels through 1/4" thick. **SWT1097**..... $1.69



"On-Off"(DPST). 2 positions. 4 screw terminals. 20A/125V-15A/250V AC. Mounting stem 15/32. 32 thread, 11/32"L. Fits panels through 1/4" thick. **SWT1098**..... $1.49

"On-On"(DPDT). 2 positions. 6 screw terminals. 20A/125V-15A/250V AC. Mounting stem 15/32. 32 thread, 11/32"L. Fits panels through 1/4" thick. **SWT1099**.....$1.59

JOEMEX BREAKER

AC Circuit breaker by JOEMEX. 15 Amp-125VAC. **FUS1003**..... 4/$1.00

TERMS: Add $6.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red label(1 day), Blue label(2 day), and Orange label(3 day), will all be charged according to weight and zone. Orders over $50.00 add .85 for insurance. No C.O.D. Texas Residents add 8 1/4% Tax. 90 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada, add $7.50 minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

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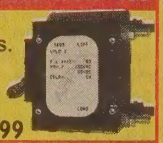
NONC MOMENTARY

This is a cute little switch. With the switch in the original state, one set of contacts is closed, the other open. Push the switch in and the contacts reverse. The action is momentary. Switch measures .5" wide and .4" deep, PC board mount. **SWT1072**..... **.39**

50/40A CKT BREAKER



Model UPL-0-0 by Airpax. 50 FL amps. Maximum voltage 250Vac, 65Vdc. No delay-switch. **SWT1092**..... **$1.99**

Dual circuit breakers with single breaker switch by Carling Switch. Screw terminals. 40 A, 250 V, 50/60 Hz. Trip amps 54 A. **SWT1077**..... **$3.95**

WANNA SWITCH

10A/250Vac, 15A/125Vac. SPDT center off fat paddle. Easy "on" lugs. Snap in. Measures 1-3/8"x3/4"x 1" not including lugs or paddle. Paddle extends 7/8". **SWT1095**..... **.79**

NO/NC LEVER SWITCH

Normally open; normally closed E13 lever switch by Cherry. Has a 2-1/2" lever. Body measures 1-3/4"x3/4"x5/8". **SWT1100**..... **$1.25 or 10/$9.95**

ON/OFF TOGGLE

"On-Off"(DPST). 2 positions. 4 screw terminals. 16A/125V-8A/250V AC. Mounting stem 15/32. 32 thread, 1/2"L. Fits panels through 1/4" thick. Very Limited quantity. **SWT1103**..... **$1.09**

A/B SWITCH

A/B switch with RG-59 connectors. Switch anything you want, antenna, DSS, Dish, different receivers, etc. No directions needed, just push the switch. Measures 4-1/8"x2-3/16"x1". Comes with mounting screws and double sided tape. **SWT1101**..... **$5.95**

DPDT CENTER OFF

"On-Off-On"(DPDT). 3 positions, center off, spring return to center. 6 screw terminals. 20A/125V-15A/250V AC. Mounting stem 15/32. 32 thread, 11/32"L. Fits panels through 1/4" thick. **SWT1102**..... **$1.99**

AVRS

AT90S1200-4. **ICS1004**..... **$2.65**
AT90S1200-12. **ICS1009**..... **$2.99**

AT90S2313-10. **ICS1001**..... **$3.49**
AT90S8515-8. **ICS1008**..... **$8.95**

74LS

LS00	.22	LS113	.22	LS243	.50
LS01	.22	LS114	.28	LS244	.55
LS02	.22	LS122	.36	LS245	.55
LS03	.22	LS123	.50	LS251	.46
LS04	.22	LS124	1.00	LS253	.42
LS05	.22	LS125	.33	LS257	.38
LS06	.35	LS126	.38	LS258	.47
LS07	.35	LS132	.36	LS259	.52
LS08	.22	LS133	.37	LS260	.42
LS09	.22	LS136	.30	LS266	.33
LS10	.22	LS138	.40	LS273	.55
LS11	.22	LS139	.40	LS279	.33
LS12	.23	LS148	.40	LS280	.73
LS13	.33	LS151	.36	LS283	.38
LS14	.38	LS153	.36	LS290	.53
LS15	.28	LS154	1.25	LS293	.53
LS20	.22	LS155	.45	LS298	.68
LS21	.23	LS156	.45	LS299	1.00
LS22	.23	LS157	.40	LS322	1.30
LS26	.22	LS158	.28	LS323	1.25
LS27	.25	LS160	.28	LS348	.75
LS28	.24	LS161	.36	LS353	.75
LS30	.22	LS162	.46	LS357	.80
LS32	.24	LS163	.37	LS363	.75
LS33	.28	LS164	.47	LS364	.80
LS37	.25	LS165	.53	LS365	.33
LS38	.25	LS166	.53	LS366	.30
LS42	.35	LS169	.75	LS367	.38
LS51	.23	LS170	.46	LS368	.33
LS54	.23	LS173	.38	LS373	.55
LS55	.23	LS174	.38	LS374	.55
LS73	.35	LS175	.38	LS375	.55
LS74	.30	LS181	1.25	LS377	.40
LS75	.30	LS191	.47	LS378	.80
LS83	.33	LS192	1.49	LS390	.70
LS85	.45	LS193	.53	LS393	.60
LS86	.25	LS194	.53	LS399	.70
LS90	.35	LS196	.42	LS541	.80
LS92	.33	LS197	.42	LS640	.55
LS95	.33	LS221	.48	LS645	.75
LS107	.31	LS240	.45	LS646	.75
LS109	.24	LS241	.50	LS670	.80
LS112	.28	LS242	.50	LS688	1.30

74HCT

HCT00	.25	HCT221	.79
HCT02	.25	HCT240	.55
HCT04	.25	HCT241	.25
HCT08	.25	HCT242	.55
HCT11	.25	HCT244	.60
HCT21	.25	HCT245	.60
HCT27	.30	HCT251	.55
HCT32	.25	HCT259	.40
HCT74	.38	HCT273	.50
HCT107	.38	HCT299	.50
HCT123	.49	HCT352	.40
HCT125	.45	HCT373	.60
HCT137	.35	HCT374	.60
HCT138	.35	HCT393	.75
HCT139	.35	HCT533	.55
HCT154	1.25	HCT540	.45
HCT157	.50	HCT541	.65
HCT158	.50	HCT564	.65
HCT160	.75	HCT574	.72
HCT161	.25	HCT640	.90
HCT164	.55	HCT646	2.20
HCT166	.70	HCT688	.80
HCT174	.50	HCT4002	.35
HCT175	.50	HCT4066	.45
HCT193	.69	HCT4520	.60

74HC

HC00	.25	HC126	.25
HC01	.25	HC132	.38
HC02	.25	HC133	.25
HC03	.25	HC138	.35
HC04	.25	HC139	.35
HC05	.25	HC151	.25
HC08	.25	HC153	.40
HC09	.25	HC154	1.25
HC10	.25	**HC154 Skinny**	
HC11	.25	**(.3")**	**1.30**
HC14	.30	HC155	.27
HC20	.25	HC157	.38
HC21	.25	HC158	.35
HC27	.30	HC160	.35
HC30	.25	HC161	.35
HC32	.25	HC162	.35
HC51	.25	HC163	.39
HC73	.30	HC164	.35
HC74	.33	HC165	.58
HC75	.26	HC173	.58
HC76	.30	HC174	.48
HC80	.25	HC175	.42
HC82	.25	HC176	.42
HC85	.55	HC177	.33
HC86	.28	HC182	.33
HC107	.25	HC193	.65
HC109	.25	HC194	.30
HC112	.25	HC195	.30
HC123	.49	HC240	.50
HC125	.35	HC241	.60

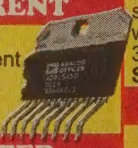
WHAT IS THIS

Is this a rake for a doll's garden? Nope, actually it is an IC chip puller. Use this tool to pull ICs out of boards, or use it to grate cheese, we do not care. **TOL1015**..... **.69**

IC PULLER

IC Puller by Methode-CT 2102. Use this handy gadget to pull IC's from boards. They come out straight. **ACS1235**..... **$2.49 or 5/10.00**

HIGH CURRENT



AD815AYS Analog Devices high output current differential driver. 15-lead through hole SIP. **ICSAD815**..... **$4.95**

DUST BUSTER

Keep the dust out of your computer case with these computer case blanks. Cheap enough to get some extras. **ACS1324**..... **5/1.00**

ISO7816 SOCKET

The 5mm Smart Card Connector is the same as the one below, but with a 5mm standoff allowing components to be located underneath it, saving valuable board space. **SOC1023**..... **$2.50 or 10/$19.99**

ISO7816 Smart Card, credit card socket. **SOC1021**. **$2.50 or 10/$19.99**

74HC

HC242	.50	HC377	.45
HC243	.50	HC390	.60
HC244	.60	HC393	.52
HC245	.60	HC533	.55
HC251	.33	HC534	.90
HC253	.38	HC541	.82
HC257	.40	HC573	.75
HC258	.33	HC574	.75
HC259	.45	HC583	.80
HC266	.35	HC595	1.00
HC273	.55	HC659	.90
HC280	.35	HC688	.89
HC298	.45	HC4002	.35
HC299	.55	HC4040	.80
HC365	.60	HC4051	.49
HC366	.38	HC4052	.49
HC367	.35	HC4053	.59
HC368	.38	HC4075	.59
HC373	.60	HC4078	.59
HC374	.60	HC4094	.79

WRIST STRAP PACK

This is a killer wrist strap pack from one of the major communications companies in the U.S. Has a 1 meg ohm resistor embedded. You get all of the items pictured(spade lugs,fuses, screws, nuts, the wrist strap, and a bag to keep everything together) for one super low price. **ACS1419**..... **$2.95**

SIMM SOCKETS

Dual Angled Style.
SOC30SSDA..... $1.50

MACHINE PINS

8, 14, 16, 18, 20, 24, 28, or 40 Pin machine sockets. Your choice. **SOCxxMP**..... **3/$1.35**

64 PIN MACHINE

64 pin machine pin socket. 1-1/16" wide. Measures 3-1/4" long by 1-1/16" wide. **SOC64MP**..... **2/$1.00**

SOCKETS

Solder Tail Low Profile

6 Pin	10/$1.00
8 Pin	10/$1.00
14 Pin	10/$1.00
16 Pin	13/$1.00
18 Pin	13/$1.00
20 Pin	10/$1.00
22 Pin	13/$1.00
24 Pin	8/$1.00
24 Pin Skinny .3	20/$1.00
28 Pin	7/$1.00
32 Pin	10/$1.00
40 Pin	7/$1.00

SOCKETS

3 Level-Tin **Wire Wrap**

16 Pin	**10/$4.50**
28 Pin	**$1.50 Ea.**
40 Pin	**$2.25 Ea.**

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PLCC SOCKETS

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52 PIN PLCC.....$1.29
68 PIN PLCC..... .89
84 PIN PLCC..... .39 ea. 3/$1.00

PIC CHIPS

18 pin PIC chip. 12 I/O, 512 ROM, 25 RAM. Priced to sell.
PIC16C54XT/P.....**$1.99**
PIC16F628-20P, Flash-based 8 bit CMOS Microcontroller, Flash program 2048 x 14, Ram data 224 x 8, EEPROM data 128 x 8, speed 20mHz. **ICS1019**.....**$3.85**

EPROM SPECIAL

These EPROMs have been removed from sockets, erased, and verified. Complete satisfaction guaranteed.
2708.....**1.20 10/8.00**
2716.....**2.75 10/25.00**
2532.....**2.50 10/20.00**
2732.....**2.25 10/18.75**
2764.....**2.00 10/17.50**
27128.....**2.50 10/20.00**
27256.....**3.00 10/25.00**
27512.....**3.25 10/27.75**
27C010.....**3.50 10/27.75**
27C020.....**4.00 10/37.75**
27C040.....**7.25 10/67.75**
27C080.....**10.50 10/90.00**

8741.....**7.00**
8742.....**7.00**
8748.....**7.95**
8755.....**7.00**

EXTRAVAGANZA

We picked these EPROMs up from a very large OEM. Set of 3 EPROMs, 1-2764, 1-27C010, and 1-27256 all programmed with stickers. You erase and clean them, and you get the savings. **EPM1000**.....**$3.00**

EEPROM

24C02. 256 bytes x 8 bits (2,048 bits), I²C interface (2 wire).
EPM24C02..... .99
2816.....**$2.20**
2864.....**$2.99**
28C256.....**$3.95**
93C46*. 128 bytes x 8 bits OR 64 bytes x 16 bits (1,024 bits), SPI interface (3wire). **EPM93C46**..... .49

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Dual In Line(DIP)
M957.....**$2.50**
SSI-204.....**$4.50**
8870 Decoder.....**$4.00**
5089 Generator.....**$1.25**
Data on any of the above DTMF ICs..... **.50 each**

GALS-PALS

PAL16R8ACN..... .59
16V8-25..... .89
20V8-25.....**$1.09**
PAL20X8CNS..... .59
TIB PAL 16L8-15.....**$1.25**
GAL22V10B (PALCE22V10H).....**$1.29**

GAL16V8 PLCC

20 pin PLCC GAL16V8D-7LJ by Lattice Semi-conductor. That's 7.5ns. Now that's fast. Electrically erasable floating gate technology. It's low power and reprogrammable. Let's recap-It's fast, erasable,reprogrammable, and low power. Pack of 10. **ICS1013**....Pack of 10.....**$4.75**

24LC256 29F040

24LC256. **ICS1006**.....**$3.95**
29F040B-120. **ICS1007**.....**$4.95**

CMOS

4001	.22	4047	.60	40106	.35
4002	.22	4049	.25	40109	.30
4007	.25	4050	.25	40160	.39
4008	.30	4051	.50	40163	.45
4010	.30	4052	.50	40174	.45
4011	.22	4053	.50	40175	.45
4012	.22	4054	.65	40244	.40
4013	.25	4059	2.90	4503	.35
4014	.40	4060	.50	4507	.30
4015	.25	4063	.40	4508	.75
4016	.25	4066	.25	4510	.50
4017	.40	4067	1.00	4511	.50
4018	.25	4068	.30	4512	.52
4019	.30	4069	.20	4515	.70
4020	.40	4070	.22	4516	.70
4021	.40	4071	.27	4517	.49
4022	.45	4072	.25	4518	.58
4023	.20	4073	.25	4520	.60
4024	.40	4075	.22	4522	.58
4025	.20	4076	.75	4528	.75
4027	.33	4078	.30	4529	.75
4028	.40	4081	.22	4531	.60
4029	.60	4082	.22	4532	.50
4030	.30	4085	.60	4538	.70
4031	.40	4086	.60	4539	.85
4034	1.00	4093	.30	4541	.80
4040	.60	4094	.75	4555	.75
4041	.55	4098	.85	4556	.75
4042	.45	4099	.77	4557	.75
4044	.50	40103	.39	4559	1.00
4046	.55	40105	.45	4585	.60

8000/80000

8001	$5.20	8228	$1.75
8002	$2.50	8237	$1.90
80286-8		8237-5	$2.80
PLCC	$2.50	8243	$1.75
8031	$2.95	8250	$2.95
80C31(*)	$2.49	16450	$4.50
8032(*)	$2.95	16550	$1.95
80C32(*)	$1.99	8253-5	$1.75
80C32-1	$3.95	8254	$1.80
8035	$1.00	8255	$3.50
8036	$4.95	8255-5	$3.75
8039	$1.00	8257	$1.50
8080	$2.50	8259A	$1.85
8085A-2	$2.95	8259-5	$2.10
8088	$2.20		
8088-2	$3.25	8275	$10.95
8155	$2.25	82C206	$5.50
8156	$2.25	82284	$4.50
8202A	$8.00	82286	$6.50
8214	$2.00	8530	$3.00

CLOCK CHIPS

SAF3019.....$2.50
ICM7170.....$4.95
58167.....$3.95
58321.....$2.50
146818.....SPECIAL..... .80

LINEAR

OPO5EJ	1.19	LM733	.49
OPO7	.99	LM741	.38
OP12GJ	1.19	UA748	.30
OP12GZ	.99	UA771	.25
OP27GP	1.19	MC1350	.89
OP421GY-dip-Quad low power-PMI-(4-OP21 in 1 package)	1.25	MC1372	.50
TLO61	.50	MC1455	.22
TLO62	.50	LM1458	.33
TLO64	1.00	LM1488	.45
TLO72	.60	LM1489	.45
TLO74	.85	MC1558F	1.49
TLO81	.50	LM1886	1.25
TLO84	.85	LM1889	1.29
L165	.99	ULN2003	.59
L293D	2.59	ULN2004	.80
L294	3.49	ULN2074	.75
L297	6.95	XR2206	3.95
L298	3.49	ULN2803	.85
LM301	.29	ULN2804	.89
LM307(*)	.45	UA2901	.55
LM311	.65	LM2902	.45
LM318	.75	LM2903	.35
LM319	.75	LM2904	.45
LM324	.40	LM2917	1.49
LM339	.40	LM3046	.89
LF347	.75	LM3064	.50
LM348	.40	CA3083	.75
LM349	.45	LM3086	.50
LF353	.69	CA3130E	.99
LF356	.65	CA3140E	.99
LM358	.49	CA3146	.75
LM361	1.00	CA3160E	.69
LM364	.60	CA3183	.49
LM380-8	.99	LM3302	.59
LM386	.59	MC3403	.30
LM393	.50	MC3470	1.10
LF442	.80	UC3842	.99
NE530	.30	**LM3900**	**.49**
NE555	.39	LM3914	1.99
NE556	.50	LM3915	1.99
TLC555	.50	UA4136	.59
TLC556	.79	4558	.39
NE558	.75	**JRC4558**	.59
NE564	1.29	MC4741	.79
NE567	.49	MM5395	1.25
		5532	**.89**
NE592	.69	5533	1.19
NE602N	2.99	5534	.89
LM723	.59	DS8820	1.00
		DS8835	1.50

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MAX232	1.65	75124	.75
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		75150	.79
MAX233	4.95	75154	1.25
1488	.45	75173	1.20
1489	.45	75174	1.20
14C88	.79	75175	1.20
26LS30	1.10	75176	1.20
26LS31	.75	75437	.75
26LS32	.75	75450	.60
3486	.75	75451	.25
3487	.65	75452	.35
75107	.30	75453	.25
75108	.70	75494	.75
75110	1.00	9637	.95
75112	.30	9638	.95

MAX232A SPECIAL

MAX232A by ST. Dual drivers and receivers.
ICSMAX232A...**$1.25 ea or 10/9.95**

OPTO

H11A1	.29	4N29	.55
H11A2	.55	4N32	.55
H11D1(*)	.69	4N33	.65
H11G2	.55	4N35 (SPX7005-001)	.29
H11AA1(CNY71)	.30	4N36	.45
H11AA2	.52	4N37	.42
LTV8441..4-package	.99	4N46	.79
H11AA1 in 1		6N137	.89
MCT2	.52	6N138	$1.19
4N25	.45	6N139	$1.19
4N26	.45	TIL116	.70
4N27	.47	MOC3011	.89
4N28	.45	MOC3021	.89
		MOC3023	.89

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2674.....**$3.00**
2677.....**$3.00**
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MC14400L2.....**$2.00**
L294.....**$3.49**
L297.....**$6.95**
L298.....**$3.49**

Z80

Z80 2.5 MHZ CPU.....**$2.00**
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Z80 SIO/O.....**$3.00**
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Z80A PIO.....**$2.50**
Z80A SIO/O.....**$3.35**
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Z80B CTC.....**$2.70**
Z80B PIO.....**$3.00**

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2102AL-4 L.P. 450 n.s. ..... .49
2114.....**$2.19**
6116.....**$1.00**
6117.....**$1.00**
6264.....**$1.20**
62256 32Kx8.....**$2.49**
128KX8.....**$3.95**

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Two **64MB, 168 pin DIMM, EDO, 50ns Ram** sticks. 128MB total. New. **RAM1003**..... $19.95
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AM2907.....$1.75
AM2909.....$1.65
AM2910.....$2.00
AM2911.....$1.75
AM2964.....$4.50
AM29701..... .70
ICL7106-(LCD)
3 1/2 DVM CHIP.....$1.95
ICL7107L(LED)
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ICM7218B.....$2.25
ICM7218D.....$2.25
74C903..... .50
AT89C51-20PC
ICS89C51.....$8.95
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9401.....$3.50
9601..... .69

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SPEED CONTROL

The uA7392 is a 14 pin IC that is designed for precision, closed loop, motor speed control systems. The motor speed is determined by frequency to voltage conversion of the input signal provided by the tachometer generator. The result of the comparison controls the duty cycle of the PWM switching motor drive output stage. With data.
ICS7392.....$1.95

ICM7045IPI

24 hour clock. Precision timer. 4 mode stop watch IC. Incredibly hard to find. With data which is also very hard to find. **ICS7045**..... $9.99

MOC3023

Six pin plastic dip. 400 V Phototriac Driver Output. Optically-Coupled Silicon Traic Driver(Bilateral Switch). Output Driver Designed for 220 Vac. **ICS1011**..... .89

34072 OP AMP

34072. Dual op amp. High slew rate, single supply, Wide gain bandwidth 4.5mHz. 8 pin mini dip. **ICS1010**..... .49

QUAD 741

XR4212-Quad741..... .35
Tube of 25.....$3.99

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The good news is that these are cheap. Atmel, AT49F040-12TI, 32 pin, plastic thin small outline package(TSOP). 4-megabit, 512Kx8, flash memory. 120ns. Look it up on Atmel's site. Hang on to your hat, here comes the price. Pack of 10. **ICS1012**.....10 Pack..... $10.00

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6522	2.70	6845P	2.20
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A/D

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ADC0804.....$1.99
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OP-AMP

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ICSLM312H.....$2.00
Another TO-5 part. The LF255H is a JFET input op-amp.
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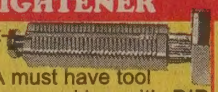

Dip IC straightening and inserting tool. A must have tool for those of you working with DIP ICs. **ACS1389**.....$2.95

INTEL PENTIUM

Intel Pentium OverDrive Processor 83 MHz. Requires 237 or 238 pin socket. Brand new factory packaged. **ICS1021**..... $7.50

PENTIUM III

Brand spankin' new. **Pentium® III Xeon Processor 933MHz 5/12v by Intel.** Overstock from an OEM. Here are the specs: *Step Code SL4HD. *CoreStepping C0. *CPUID 0686h. *FSB Speed 133MHz. CPU Speed 933MHz. *L2 Cache & Stepping 256KB. *Processor Substrate Cartridge cB. Slot 2. These processors are designed to operate at either 5V or 12V and they operate with a core voltage of 1.68V. **COM1180**.....$69.95 or 2/$120.00

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OKAY STOP LOOKING

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AUD1072.....$2.95
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AUD1073.....$1.49
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LM 3820N National. AM radio chip. Delco house number #32. 25 per tube. **SPC1001**.....$3.00
LM3401N National. Quad Norton OP Amp like LM 3900. 25 per tube. **SPC1002**.....$3.25
79M12 Fairchild. TO-220. -12 Volt regulator. 50 per tube. **SPC1009**.....$5.50
MC7809CT Zenith house number. TO-220 +9 Volt 1 Amp regulator. 50 per tube. **SPC1012**.....$5.00
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4025BPC Cmos 25 per tube. **SPC1016**.....$2.25
PAL16R8ACN MMI. 20 per tube. **SPC1019**.....$5.60
PAL20X8CNS MMI 15 per tube. **SPC1020**.....$5.40
IR Power Fet IBM house numbered. P channel. TO-3 case. 11Amps, 100 Volts, Rds on 0.3 ohms. Similar to 2N6804. Note* Power Mos Fets in a TO-3 case, especially P channel are getting extremely rare. 20 per tube. **SPC1028**.....$23.00
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10 mHz dip crystal oscillator. Kyocera #KX0.01Z. 5 VDC. 20 per tube. **SPC1032**.....$16.40

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SCRS

X00602MA, 800mA/600V, TO-92. **SCR1001**.....4/$1.00
S1206MH 12A/600V, TO-220. **SCR1002**..... .99
25A/600V SCR. Isolated tab, TO-220AB manufactured by Teccor. Igt 35mA. **SCR1003**..... $1.49 ea or 10/$11.00

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Not much to say except of all the bridges I have ever seen, this is one of them. Real nice specs-800 volt, 35 amp, wire leads. Measures 1-1/4" square by 1/4". **DIO1007**... $2.49 each or 10/$18.00

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DIODES

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SCHOTTKY DIODES

Schottky Rectifier. 8 amp. 100 volt. TO 220. **DIO1010**..... .79
1N5817 1A/20V..... .19
1N5819 1A/40V..... .39
1N5821 3A/30V..... .59
MBR 3035 PT (DUAL SCHOTTKY RECT.) TO-3 PLASTIC 30AMP/ 35V..... .69 or 4/$2.00
ISS 98 (SCHOTTKY/MIXER)..... .29

1N1190A

1N1190A. 600V/40A standard recovery power diode. DO-203 AB(DO-5) package. With Hardware. **DIO1020**..... $2.95

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Popular Japanese replacement transistors

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TRN2SA733..... .39
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TRN2SA966..... .29 or 4/$1.00
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TRN2SA1306A..... .39 or 5/$1.00
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TRN2SC945..... .29 or 5/$1.00
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TRN2SC2335.....$1.19
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TRN2SC2705..... .29 or 4/$1.00
2SC2979 NTE 2325.
TRN2SC2979.....$1.99
2SC3150 TO-220 NTE 2325.
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2SD1408 NPN TO-220 Fully plastic encapsulated.
TRN2SD1408..... .49
2SD1547 High voltage TO-3 horizontal output.
TRN2SD1547.....$1.49
2SD1616A NPN TO-92. NTE382.
TRN2SD1616A..... .39

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BC 547B NPN.
TRNBC547B..... .12 or 100/$7.95
BC 549C TO-92 NPN. Very high gain. Characterized for very low noise applications.
TRNBC549C..... .14 or 100/$8.95

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Complimentary pair 2N6488 and 2N6491. One of the most popular transistors used in the output stage of car audio amps. **2N6488**(cross #331), NPN, TO220, Ic 15 amps, Vceo 80 volts, 75 watts. **2N6491** (cross #332), PNP, TO220, Ic 15 amps, Vceo 80 volts, 75 watts.
TRN2N6488.....$1.25
TRN2N6491.....$1.25

MPSH81 TRANSISTOR

PNP general purpose RF amplifier and mixer applications to 250mHz. TO-92. **TRNMPSH81**..... .10

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TIP 30 PNP..... .49
TIP 31 NPN..... .59
TIP 32 PNP..... .59
TIP 33 NPN..... .89
TIP 34 PNP..... .89
TIP 36C PNP.....$1.49
TIP 41 NPN..... .59
TIP 42 PNP..... .59
TIP 47 NPN..... .79
TIP 48 NPN..... .79
TIP 49 NPN..... .89
TIP 50 NPN..... .89
TIP 101 NPN..... .79
TIP 102 NPN..... .79
TIP 105 PNP..... .79
TIP 111 NPN..... .89
TIP 112 NPN..... .79
TIP 120 NPN..... .79
TIP121 NPN..... .79
TIP 122 NPN..... .79
TIP 125 PNP..... .89
TIP 126 PNP..... .69
TIP 141 NPN.....$1.25
TIP 142 NPN.....$1.49
TIP 146 PNP.....$1.25
TIP 147 PNP.....$1.49
TIP 3055 NPN..... .99

2SB986

The 2SB986 is a silicon, PNP, 60V, 4 amp, 10 watt transistor. Good to 150 mHz. TO-126 case.
TRN2SB986..... 2/$1.00

TRANSISTORS

PN2222 NPN..... .08
2N2369 NPN..... .08
PN2907 PNP..... .08
2N3055 NPN.....$1.25 or 10/9.95
MPS3703 NPN formed(.1) .08 or 100/$6.00
2N3772 NPN Power.....$1.75
2N3866.....$1.49
2N3904 NPN..... .08
2N3906 PNP..... .08
2N4401 NPN..... .08
2N4403 PNP..... .08
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2N5486 R.F. Amp JFET..... .49
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TRANSISTORS

FZT651TC- transistor. NPN- VCBO 80V- VCEO 60V- IC 3Amp- hfe 100-300- ft 175 mHz. This part is similar to, but better than a TIP31, and comes in a smaller package.
TRNFZT651TC..... 8/$1.00
MJE3055T. NPN. TO-220.
TRN1003..... .69
MJE2955T. PNP. TO-220.
TRN1004..... .69
NPN silicon darlington transistor. TO-220. Vceo 60V. Collector current 7A. hFE 1000 typical. 2SD916. House numbered. **TRN1005**... .59

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2SD1428 TO-3 plastic. **TRN2SD1428**.....$1.95

MTP10N40E

MTP10N40E N Channel-Vds 400 Volts-Ids 10 Amps-Rds on 0.55 ohms-TO-220. **FETMTP10N40E**..... $1.99 or 10/$17.00

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IRF840. **FETIRF840**..... **$1.49**
IRF 9540 P Channel-Vds 100 Volts-Ids 19 Amps-Rds on .20 Ohms TO-220. **FETIRF9540**..... **$1.95**
IRFZ 34 N Channel-Vds 60 Volts-Ids 30 Amps-Rds on .050 ohms TO-220. **FETIRFZ34**..... **.89**
IRFZ 42 (Similar) Motorola house number. N Channel-Vds 50 Volts-Ids 46 Amps-Rds on .035 ohms-TO-220.
FETIRFZ42..... **$1.19 or 10/$9.95**
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N Channel. Vds 200 Volts. Ids 4.8 Amps. Rds on .80 Ohms TO-251AA. **FETFU220**..... **.99**

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TransZorb transient voltage suppressor by Vishay Semiconductor. The SA15A breakdown voltage V(BR) at IT is a minimum of 16.7V and a maximum of 18.5V. These parts have an excellent clamping capability. Comes in a DO-15 package with formed leads.
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P5KE15
CA. 15 volt bi-directional. Same size as a 1N4000 series diode. **PWR1063**..... **5/$1.00**

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LM323K	**$3.50**
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LM323K	**$3.50**
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TL495	**.79**
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79L12	**.49**
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LOW DROPOUT

LM2931 low dropout regulator. 5 volt, 100 mA. Input-output differential less than 0.6V. Right angle leads. House numbered. TO-220.
REG1001..... **.59**

MC78T05CT

5V/3A regulator, TO-220 case. **MC78T05CT**. **REG1003**..... **$1.49**

HODGE-PODGE

LM350T voltage regulator. TO-220, 3A adjustable 1.2V to 33V.
REGLM350T..... **$1.99**

-15 VOLT REGULATOR

Negative, 3-Terminal Voltage Regulator, -15V, 1.5A. TO-3. **REG1002**..... **3/$1.00**

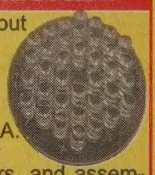
REGULATORS

IPS338AV Same as LM338K, but TO-3 plastic package. Much easier to mount. Positive adjustable voltage regulator-rated 5A min 8A typical. **IPS338AV**..... **$2.95**

SHUNT REGULATOR

TL431C. Three terminal, TO-92, adjustable shunt regulator. Output voltage can be set between approximately 2.5V and 36V. Make excellent replacement for zener diodes.
REGTL431..... **2/$1.00**

940NM IR ILLUMIN.



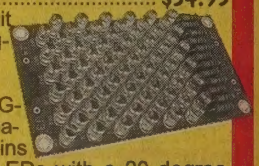
Let's get serious about this infrared thing with our IR ILLUMINATOR kit. Kit comes with 36 high power infrared LEDs(100mA. each), a 2" diameter PC board, 4 resistors, and assembly notes. Approximate assembly time is under 1 hour. IR ILLUMINATOR is designed to operate between 12 and 13.8Vdc, with maximum efficiency at 13.2Vdc. Units can be daisy chained. At 24 feet, the beam is approximately 8 feet in diameter. Light up the dark with the IR ILLUMINATOR kit. 940nm/20 degree viewing angle.
LED1007..... **$12.95**
PC board only. **LED1058**..... **$7.50**
Assembled and tested.
LED1072..... **$19.95**

BIGGER IR ILL.

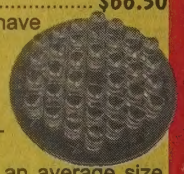
We already had an IR illuminator kit. Why would we want a bigger one? Because it puts out more light. It is brighter and has 72 infra red LEDs instead of 36. The LEDs in both kits are capable of drawing 100mA. each. The Bigger IR ILLUMINATOR kit is designed to operate between 12 and 13.8Vdc, with maximum efficiency at 13.2Vdc. ILLUMINATOR draws between 600-800mA. Units can be daisy chained. At 24 feet, the beam is approximately 8 feet in diameter. PC board measures 3.7"x1.95". Light up the dark with the Bigger IR ILLUMINATOR kit. 940nm/20 degree viewing angle. Complete kit.
LED1069..... **$25.95**
Assembled and tested.
LED1070..... **$34.95**
PC board only.
LED1071..... **$9.95**

850NM IR ILLUMIN.

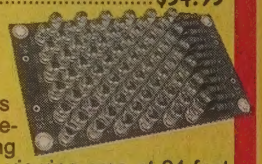
Introducing the 850nm IR Illuminator. Works extremely well with the Sony Handycam in the NightShot mode. Also works well with other models of camcorders and digital cameras. If you want to illuminate an object in the dark, try one or more of the four units we are offering. The first one is a kit and contains 36-850nm LEDs at a 20 degree viewing angle which produces a spot light effect. Approximate viewing area at 24 feet is 8 feet in diameter. **Kit. LED1092**..... **$24.95**
Assembled and tested.
LED1093..... **$34.95**



The next unit is a rectangular board which we call our BIGGER IR Illuminator. It contains 72-850nm LEDs with a 20 degree viewing angle. Approximate viewing area at 24 feet is the same 8 feet in diameter as above, but the beam is much brighter. **Kit.**
LED1094..... **$46.50**
Assembled and tested.
LED1095..... **$66.50**



The next unit we have to offer is a flood light version which contains 36-850nm LEDs with a viewing angle of 50 degrees. This unit will light an average size room completely when pointed at the ceiling. The viewing area is approxmately 23 feet in diameter.
Kit. LED1096..... **$24.95**
Assembled and tested.
LED1097..... **$34.95**



Next is the BIGGER IR Illuminator using 72-850nm LEDs with a 50 degree viewing angle. The viewing area at 24 feet is approximately 23 feet in diameter and a lot brighter than the 36 LED model. **Kit. LED1098**..... **$46.50**
Assembled and tested.
LED1099..... **$66.50**

POWER FOR IR

Power supply(wall wart) for **LED1007, 1072, 1092, 1093, 1096,** and **1097. PWR1170**..... **$4.95**
Power supply(wall wart) for **LED1069, 1070, 1094, 1095, 1098,** and **1099. PWR1171**..... **$4.95**

TERMS: Add $6.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red label(1 day), Blue label(2 day), and Orange label(3 day), will all be charged according to weight and zone. Orders over $50.00 add .85 for insurance. No C.O.D. Texas Residents add 8 1/4% Tax. 90 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada, add $7.50 minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

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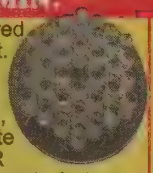
940NM IR ILLUMIN.



Let's get serious about this infrared thing with our IR ILLUMINATOR kit. Kit comes with 36 high power infrared LEDs(100mA. each), a 2" diameter PC board, 4 resistors, and assembly notes. Approximate assembly time is under 1 hour. IR ILLUMINATOR is designed to operate between 12 and 13.8Vdc, with maximum efficiency at 13.2Vdc. Units can be daisy chained. At 24 feet, the beam is approximately 8 feet in diameter. Light up the dark with the IR ILLUMINATOR kit. 940nm/20 degree viewing angle.
LED1007.....$12.95
PC board only. **LED1058**.....$7.50
Assembled and tested. **LED1072**..... $19.95

IR LED

T 1-3/4(5mm) IR LED. 1.5Vdc, 100mA continuous, 940nm, 20 degree viewing angle in a water clear package. This is the same one we use in our IR Illuminator kits. **LED1067**..... .20

IR LEDS

LTR4206E. Phototransistor. Dark blue transparent package that cuts the visible light. 100mW, VCEO 30V. 3mm, .1" spacing.
LEDLTR4206..... .39 or 4/$1.00
LTE4206. Mechanically and spectrally matched to the LTR4206 series phototransistor above. IR, 3mm, .1" spacing, 940nm, 1.2V, 60mA, 20 degree. **LEDLTE4206**..... .19
LTE209. Mechanically and spectrally matched to the LTR4206 series phototransistor above. IR, 3mm, .05" spacing, 940nm, 1.2V, 60mA, 16 degree. **LEDLTE209**..... .19

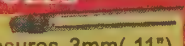
IR EMITTER

The TIL31B, infrared emitting diode is designed to emit near infrared radiation. It has a converse lens. Operates at 1.4V and has a wave length, at peak emission, of 940nm. Works great with our PD410P1 below. **DIOTIL31**... .39 ea. or 3/$1.00

INFRARED

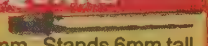
This module is normally used in TVs and VCRs to receive infrared pulses from the remote control. Sharp #GP1U581Y. 38 Khz bandpass frequency. Very sensitive to infrared. Very small. PC mount. Approximately 3/4" cubed. With data.
LED1001.....$1.95

3MM TRIANGLES



An LED in the shape of a triangle. It's orange and measures 3mm(.11"). Stands 6mm tall. Lights redish/orange. 2Vdc, 20mA., 80 degree viewing angle.
LED1082.....8/$1.00
Same as above but lights red. 2Vdc, 20mA., 80 degree viewing angle. **LED1083**.....8/$1.00

3MMX3MM SQUARE

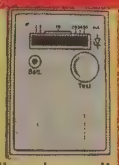


This LED is square. It's pink and measures 3mmx3mm. Stands 6mm tall. Lights red. 2Vdc, 20mA., 50 degree viewing angle. **LED1084**.....8/$1.00

PURPLE AND PINK LED

Purple LEDs. 3.6Vdc/20mA. T1-3/4(5mm), 1000mcd. 15 degree viewing angle.
LED1079.....$2.19
T1-3/4, pink LEDs. 3.6Vdc/20mA., 1000mcd 15 degree viewing angle. **LED1080**..... $2.19

LED CHECKER



Do you have a bunch of LEDs laying around in that junk box, or do you just want to test the different LEDs you have at their specified current? Well this little gadget will let you test until your heart is content. 6 different current ranges. 2, 5, 10, 20, 30, and 50 mA. Just install a nine volt battery(not supplied) and you are set.
LED1063.....$5.95

DUALS

T 1 yellow over green LEDs. Diffused.
LED1009.....25

YELLOW LEDS

T1-3/4(5mm) yellow led. **LED1068**..... 8/$1.00
Yellow Rectangle LED 2mmx5mm.
LED1066..... 8/$1.00

T-1 DIFFUSED LED

T-1 green diffused LED by QT Optoelectronics. Surface mount. Take them out the holder they are in and then you have LEDs with 1/2" leads. **LED1091**..... 25/$1.00

LED/SHUNT

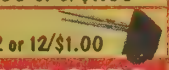
LED on an 18" wire with a 3 pin female shunt recepticle. 1/4"x 1/16" removable, rectangle, diffused Green. **LED1005**..... 8/$1.00

Green diffused T1-3/4 on an 8" wire with a 3 pin female header.
LED1027..... 6/$1.00

RIGHT ANGLE

Four red, right angle LEDs.
LED1021..... .30 or 5/$1.00

Four yellow right angle LEDs.
LED1057..... .30 or 5/$1.00



Yellow LED right angle
LED1003..... .12 or 12/$1.00

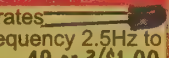
10MM SUPER BRIGHT LEDS

10mm super bright Blue LED. 6000mcd typical. 3.5V@20mA.
LED1086.....$1.95
10mm super bright White LED. 9000mcd typical. 3.5V@20mA. **LED1087**.....$1.95
10mm super bright Red LED. 4000mcd typical. 2V@20mA. **LED1088**..... .59

IT'S A 10MM BLINKER

Fire up this 10mm red blinking LED lamp. Works on 2-12Vdc/35mA. Luminous intensity 600 mcd. Blinks at 2.4 Hz. **LED1090**..... .99

IT'S A 5MM BLINKER



5 mm blinking red LED. It operates from 3.5 to 13VDC. Blinking frequency 2.5Hz to 1.5Hz. **LED1064**..... .49 or 3/$1.00

MISC. LEDS

Red Rectangular LED 2mm x 5mm.
LED1014.....15/$1.00
Green Rectangular LED 2mm x 5mm.
LED1015.....12/$1.00
T1-3/4 Red LED. **LED1016**.....15/$1.00
T1-3/4 Green LED. **LED1017**.....12/$1.00

Ultra bright-T1-clear-100 mcd Point source.
LED1020.....8/$1.00

MATCHED PAIRS

Matched LED and photo sensor pairs. **GaAs infrared emitting diode.** Forward voltage 1.5-20 volt. Reverse voltage 3 volts. Continuous forward current 50mA, output power .33(1) min-20I_F(mA). **Phototransistor.** Collector-emitter voltage 30 volts, emitter collector voltage 5 volts, light current= 5V_{CE} 1.8 min to H(1), dark current H=0 100 max-30V_{CE}, I_C=100uA 30 min, I_E=100uA 5 min. With data.
LED1023..... .39 pair

TINY LED

Tiny yellow diffused right angle LED. 1/8" lead spacing. **LED1033**.....12/$1.00

10mm GREEN LED

You got it. Do you need a big green LED(10mm) at a good price? Well we have one for you. Light 'em up.
LED1053.....4/$1.00

TRAFFIC CAUTION COLOR

Traffic light "caution color" high power amber. 5mm(T-1-3/4), 2.5V, 20mA, 6000mcd typical, and a 15 degree viewing angle. **LED1089**..... .44

HIGH POWER LED

The specs on these LEDs will knock your socks off. **T1-3/4 (5mm)**. This is new.
White LED-9,300 mcd typical(Oh my). 3.6Vdc@20mA. **LED1085**..... $1.49
White LED-6,400 mcd typical. 3.6Vdc@ 20mA. **LED1044**.....$1.29
Green LED-11,600 mcd typical. 3.6Vdc@ 20mA. **LED1050**.....$1.75
Blue LED-3,000 mcd typical. 3.6Vdc@ 20mA. **LED1051**.....$1.35
Bluish Green LED-10,400 mcd typical @ 10mA. 3.6Vdc@20mA. **LED1052**.....$1.75
Yellow LED-3,300 mcd typical. 2Vdc@50mA. **LED1061**..... .75
Red LED-4000 mcd typical. 1.8Vdc@20mA. **LED1060**..... .35
T1(3mm).
White LED-3,200 mcd typ. 3.6Vdc@20mA. **LED1073**.....$1.75
Green LED-7,800 mcd typ. 3.6Vdc@20mA. **LED1074**.....$1.75
Blue LED-2,300 mcd typ. 3.6Vdc@20mA. $1.75

I SAID ULTRAVIOLET

So you want an ultraviolet gizmo that does not have 1000 volts on it. We got it. This T1-3/4(5mm) LED fills the bill. 400nM peak emission, max forward current 30mA. 3.7V dc forward voltage. 30 degree viewing angle. 500 mcd typical. Produces light in the upper UV-A range. Light up the new currency, credit cards, traveler's checks, etc. CAUTION: EMITS ULTRAVIOLET RADIATION!! This device radiates intense ultraviolet (UV) light when operated. Exposure to UV radiation can be harmful to your health. Protect your eyes and skin during operation. Do not look directly at the device during operation. Exposure to UV light, even for a brief period, can damage your eyes. ·Do not operate the device unless you have had proper safety training and take appropriate precautions. Do not permit children or untrained personnel to operate the device. **LED1078**.....$2.19

TERMS: Add $4.50 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red label(1 day), Blue label(2 day), and Orange label(3 day) will all be charged according to weight and zone. Orders over $50.00 add $5.00 for insurance. No C.O.D. Texas Residents add 8.1/4% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada add $7.50 minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

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WHAT'S THIS?

This RGB flashing LED is a winner. Apply 4.5Vdc, 90mA and let the fun begin. The LED flashes red, then green, then blue. If you leave it connected, the LED goes through a multitude of flashing, fading, dual colors, etc. Display your own personal "light show". The flashing rate, at start up, is 1.4 times per second(1.4Hz). Let your mind run wild and figure out places to mount your new prize. All of this and it comes in a T1-3/4(5mm) case. **LED1081**..... **$3.49**

LED FLASHLIGHT

5 super bright white LEDs that are arranged for the best possible light. Measures only 6" long by 3/4" in diameter and is powered by AA batteries. Push on/push off switch. Sleek silver finished case. Light it up. Compare at up to $39.95. **PWR1186**..... **$13.49**

SIGN LANGUAGE

These LED modules were used in the manufacturing of highway signs. You know they have to be bright, so on-coming traffic can see them in the bright sun-light. We bought the signs(288 modules per sign) and removed the water tight 1" modules. The clusters come with **6 T1-3/4 high power red LEDs** and **10 T1-3/4 high power yellow-green LEDs** in the cluster. The red and the yellow-green LEDs can be powered separately. The clusters are powered by 12 to 15 volts and draw 90mA if both sets of LEDs are hooked up. Easily mountable with an M3.0x8.0 screw. The Luminous intensity is 7700+mcd.
LED1054..... **$1.99 or 10/$12.50 or 35/$35.50**

VACTROL

Analog optical Isolator. An LED and a photocell in a 4 pin package. Vactro VTL5LC2. On Resistance at 1 MA. is 5.5K ohms, at 10 MA 800 ohms, at 40 MA 200 ohms.
ICSVTL5LC2..... **.59 or 2/$1.00**

COLORED LIGHTS

These tiny light bulbs are unique in that they have a colored cap over them. Measures 4.5mmx10mm, a light blue cap, and rated at 14V/80mA. **LIT1030**.....**20/$1.00**
3.7mmx6mm, dark blue cap, 14V/40mA.
LIT1031.....**20/$1.00**
4.5x10mm, yellow, 18V/40mA. **LIT1032**.**20/1.00**

12 VOLT LAMP

This 12 volt lamp draws 40 mA. Measures 7/16"x3/16" with 1" wires. **LIT1016**.....**10/$1.00**

LAMP STRING

Incandescent Lamp String 8-14V 85 MA, T1-3/4 miniature lamps. Easily separated, can be left in the string for 115V operation. Great for model railroads, dollhouses, or ant farms? **LIT1010**..... **.85**

T1-3/4 SUBMIN. LAMP

T1-3/4 subminiature incandescent lamp. Midget screw base by Micro Lamp. Lamp runs on 2.5V/20mA. Micro Lamp model number is ML-1769. These lamps are brand new. **LIT1017**..... **20/$1.00**

ROBOT HEAD LAMP

Plug this 12V 50W bulb into your robot and let him, or her, go out at night. Buy two of these brand new Q50MR16/C/CG40 by GE and aim the 40 degree bulbs to best suit your use. Post plug-in. 2" diameter. **LIT1040**.....**$1.99**

GRAIN OF WHEAT

Grain of wheat 2.5 volts @ 100 mA. 1/4"x1/8".
LIT1012.....**10/$1.00**

LIGHT IT UP

5 colors of cold cathode fluorescent lamps. 300mm (11.81")x4mm. Whew doggie, they are nice. Use them to light up a computer, or make a portable light source for looking under the hood of your car, a lantern, or camping. Power supply: Input 12Vdc. Output 500 to 600Vrms(PWR1110).
Blue **LIT1018**..... **$7.99**
Pink **LIT1019**..... **$7.99**
Yellow **LIT1020**..... **$7.99**
White **LIT1021**..... **$7.99**
Green **LIT1022**..... **$7.99**
Power supply **PWR1110**..... **$7.99**
Light up the currency. With this cold cathode black light, you can light up the new currency, credit cards, software packaging, traveler's checks, and even bring those old velvet pictures back to life. The black light is also powered with PWR1110. The lamp measures 300mm(11.81")x 4mm. **LIT1023**..... **$12.99**
Power supply. **PWR1110**..... **$7.99**

Another 5 colors of cold cathode fluorescent lamps. 100mm(3.937")x 4mm. Use them to light up a computer, or make a portable light source, etc. Power supply: Input 12Vdc. Output 200 to 260Vrms(PWR1120). Colors are blue, pink, yellow, white, green, and black light.
Blue **LIT1024**..... **$6.74**
Pink **LIT1025**..... **$6.74**
Yellow **LIT1026**..... **$6.74**
White **LIT1027**..... **$6.74**
Green **LIT1028**..... **$6.74**
Black light **LIT1029**..... **$9.29**
Power supply **PWR1120**..... **$6.74**

MOD SQUAD TIMES 2

This is the greatest mod kit yet. This cold cathode kit includes 2 12" cold cathode fluorescent lamps enclosed in plastic tubes with double sided tape on the ends for mounting. The kit has an enclosed power supply that runs off of 12Vdc, and powers both fluorescent lamps. The kit includes an on/off switch and a 4 pin male/female connector for easy hook-up in a computer. Dress up your computer or other projects with this easy to install cold cathode light kit. Comes in 3 brilliant colors.
White fluorescent. **LIT1036**..... **$19.95**
Blue fluorescent. **LIT1037**..... **$19.95**
Red fluorescent. **LIT1039**..... **$19.95**

3 PHASE LINE FILTER

This AC line filter is 3 phase, 30 amp. Give those "glitches" a knock out punch with this high power baby.
PWR1029..... **$7.95**

POWER CONNECTORS

2.1mm barrel panel mount. **PWR1145**... **.99**
2.5mm barrel panel mount. **PWR1146**.. **.99**
1.3mm barrel connector.
PWR1083..... **.25 or 5/$1.00**
2.1mm barrel connector.
PWR1080..... **.25 or 5/$1.00**

2.5mm mono plug- **ACS1140**..... **.19**
2.5mm barrel connector.
PWR1095..... **.25 or 5/$1.00**
2.1mm barrel type panel mount receptacle. **PWR1096**..... **.49 or 3/$1.00**
2.1mm barrel type PC board receptacle.
PWR1137..... **.49 or 3/$1.00**
2.5mm barrel type PC board receptacle.
PWR1168..... **.49 or 3/$1.00**

135 WATT INVERTER

Another great buy. Plug this inverter into your car's cigarette lighter plug and run AC appliances, TVs, power tools, electric razors, etc. Input 12Vdc/10A. Output 115Vac/0.85A. Measures 4-1/4"x1-7/8"x1-1/2". **PWR1122**.....**$24.95**

8V/1.6A

The transformer with multiple hook-ups. This transformer is manufactured by Tamura and is UL, CSA approved. Apply 115Vac, 50/60 cycle and then choose the output hook up, **8Vac/1.6A, 16Vac/ 0.8A, or 8Vac C.T./0.8A**. Very versatile, and easy to mount with the PC leads. Same as Signal #SPW602S. Measures 1-15/16"x1-9/16"x 1-1/2". You could buy the model 3FS-516 from Digi-Key, quantity 1, for $9.34 each, or quantity 500 for $4.025 each. Or you could buy any quantity from us for..... **PWR1151**.....**$2.49**

TRANSFORMERS

Sam Woo transformer. 115 VAC input. **Secondary #1- 9 VAC/1 amp. Secondary #2- 15 VAC/ 1 amp. Secondary #3- 15 VAC/ 500 mA**. Dimensions: 3"x3"x3"
PWR1011..... **$3.99**

Bassler transformer. 115 VAC input. Secondary: **20 VAC/1.2A**.
PWR1013..... **$2.49**

POWER TRANSFORMER

A41-175-1111 by Signal Transformer. Dual Primaries(115V-230V)/ dual secondaries (**15V@5A**). Removed from equipment. The 2 primaries are already wired in parallel for 115Vac operation. The 2 secondaries are already wired to give approximately 30Vac@5A. Solder lug/quick connect type terminals. Measures 3-1/8"x3-13/16"x 3-1/2". **PWR1164**.....**$8.95**

AC WALL WART

13.5Vac/400mA with a 3.5mm male plug. UL listed. **PWR1180**.....**$1.80**

DIVE.....DIVE

This **12Vac/2.5A** plug-in transformer is manufactured for underwater use. Connection to the 12V side is via a 2 pin screw type connector some 12" from the transformer. **PWR1152**.....**$2.99**

TERMS: Add $6.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red shelf(1 day), Blue label(2 day), and Orange label(3 day), will all be charged according to weight and zone. Orders over $50.00 add .85 for insurance. No C.O.D. Texas Residents add 8 1/4% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada add $7.50 minimum shipping and handling. Countries other than Canada add $15.00 minimum shipping and handling.

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9VAC/1000MA SPECIAL

9Vac/1A special. Wall wart with 2.1mm barrel connector. UL, CSA approved. Good value, good price. **PWR1160**.....**$2.00**

12VAC/2.4A PLUG-IN

12VAC/2.4A plug-in wall wart. 2.5mm barrel connector. UL, CSA approved. Plug it in and power up. **PWR1155**.....**$7.95**

PLUG IN TRANSFORMERS

Plug-in transformer. Most home alarm manufacturers power their alarms with these plug-in transformers. Manufactured by Basler Electric. UL approved. Can also be used for gell cell charger, etc. Actually, we don't care what you use it for, as long as you buy it. **18VAC/20VA**. 2 screw terminal output. Note: **Output voltage is AC at approximately 1.1Amp. PWR1005**.....**$2.49**

Plug-in Transformers--110 VAC input
16VAC @ 2.5A Screw Term. **PWR1012**..**$7.95**
24VAC @ 1.6A Screw Term. **PWR1016**..**$7.95**

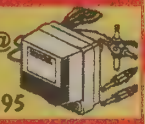
24VAC/625MA

Plug-in transformer with a PS-2 connector for the output. **24Vac, 625mA. PWR1157**.....**$2.95**

NEARLY AN ATX

Looks like it has all the right voltages to me. Input: 120/240Vac. Output **+5V/22A, +12V/7A, -5V/0.5A, and -12V/0.5A**. Then one of the techs said, "Where is the 3.3V?" Imagine asking a question like that--We fired him. Not really, but we felt like it. Okay, let's cut to the chase. It is nearly a 200 watt ATX power supply. Has the ATX mother board connector, 4 5-1/4" drive connectors, and 2 3-1/2" drive connectors. Measures 5-1/2"x5-7/8"x3-3/8". **PWR1133**.....**$7.75**

MULTI WART



This item just came in and just in time. **3, 4.5, 6, 7.5, 9, or 12VDC@800mA**, with a choice of 6 tips. What else do you need? **PWR1115**.....**$5.95**

VARIABLE BENCH SUPPLY

Another winner from B.G. Micro. This metered, variable dc power supply is a keeper. **0 to 15Vdc at 0-3A**. Adjustable current limit. Easy to read analog voltage and current meters. A great bench supply. 110Vac, 60Hz, fused power supply. **PWR1166**.....**$69.88**

SWITCHING POWER SUPPLY

This 68 watt switching power supply is usually found in external SCSI boxes. However, you could use it for anything, as it is a very sturdy and compact power supply. Input is 115/230 volts Vac, 47-63 Hz. Outputs are **+5Vdc/4.0A. and +12Vdc/4.0A**. This power supply measures 6-5/8"x4-5/16"x1-7/8". The power supply is also fused. Switching power supply. **PWR1002**.....**$7.50**

A+ SWITCHER

This is a fabulous 150 watt open frame switching power supply. Manufactured by International Power Sources. Model number PU150-45B. Auto ranging input allows it to operate from any line voltage throughout the world without a selector or strap. 4 outputs: **+5Vdc/22A, +12Vdc/8A, -12Vdc/2.5A and 24Vdc/4.5A**. Built-in EMI filter. Overvoltage protection. Short-circuit protection with auto-recovery. Power fail detection. Remote sense. UL, CSA, IEC and CE approved. Measures 8-1/2"x4-1/4"x1-1/2". **PWR1121**...**$10.95**

MORE WALL WARTS

9.5Vdc/1A. 2.1mm barrel connector with center negative. UL, CSA approved. **PWR1135**.....**$2.79**

5.8Vdc/180mA. Flat 2 pin connector. UL, CSA approved. Good nicad charger. **PWR1162**..... **.99**

16V DC at 500 mA with a polarized 110 Vac socket on the side. Voltage (16V) is delivered to a flat three pin socket. **PWR1008**.....**$1.49**

7.5VDC at 1.3A. Plug in transformer. Input: 120V/60Hz,19W. 1.3mm barrel connector/center +. UL approved. I know I have said this before, but this time I mean it. It's a bargain. **PWR1021**..... **$1.25**

14.5 Vac at 1 Amp. Originally used with modems. Input: 120 VAC 60 Hz. Also has a center tap 7.25 volts. UL-CSA approved. 3 pin mini din connector. **PWR1052**.....**$2.95**

14.5 volts DC/700 mA. UL and CSA approved. 2.5 mm barrel/center+. 6 foot cord- No internal filter cap. Requires at least a 1000 MF external filter cap. **PWR1062**..... **$1.95**

16VDC@900 mA. Plug-in wall wart, 2.5mm barrel/center +. UL approved. No cap. **PWR1049**.....**$2.95**

7.5VDC/1200MA

7.5Vdc/1.2A wall wart. 2.1mm barrel connector. UL approved. Center positive. **PWR1163**.....**$2.99**

9VDC/1A WALL WART

9Vdc/1A unregulated wall wart. Voltage is delivered to a 2.1mm barrel connector, center positive. UL/CSA approved. **PWR1167**..... **$2.99**

15VDC/1A WALL WART

15Vdc/1A unregulated wall wart. Voltage is delivered to a 2.1mm barrel connector, center positive. UL/CSA approved. **PWR1169**....**$2.99**

12V/500MA

12Vdc/500mA unregulated wall wart. UL, CSA approved. 2.1mm barrel connector with center positive. Limited quantity. Better hurry. **PWR1188**..... **$1.99**

STAY REGULATED

We have 2 new regulated wall warts to offer you. This one is **7.5VDC/700mA** and terminates in a 2.1mm barrel connector. Center positive, so plug it in and get it on. **PWR1108**.....**$3.95**

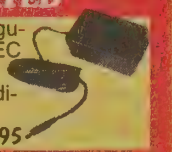
5VDC/1A REGULATED

5Vdc/1A regulated power supply with a 2.1mm barrel connector. Center positive. UL approved. **PWR1185**.....**$4.95**

5V/2A REGULATED

Oh My Gosh. Here is a small **5V/2A** regulated wall wart. It has a 1.6mm ID barrel connector with a recessed connector pin. Center positive. Approved by SEC, UL, CSA. This is another bargain you just can't fail to pass up. **PWR1187**..... **$3.99**

5V/3A REGULATED



Another good one. **5Vdc/3A** regulated switching power supply. IEC input. 2.5mm barrel connector with the center positive. LED indicator. UL approved. **PWR1189**.....**$4.95**

5VDC/4A SWITCHER

Laptop supply features a 2.5mm barrel plug with an RFI filter built in the output cord. Input (IEC) 100-240 Vac. Output-regulated **5Vdc at 4 Amps**, center -. UL/CSA. Measures 4-1/2"Lx 2-1/4"Wx1-1/2"H. **PWR1123**..... **$8.49**

DO IT ALL

Plug it in the wall and select the voltage you want. **3V, 4.5V, 6V, 7.5V, 9V, or 12V at 1.5A** regulated switcher. 8 different plugs that you can make center positive or center negative. 2.5mm, 3.5mm, and 6 sizes of barrel connectors. I think that should about cover anything you need. **PWR1190**.....**$19.95**

5V/1.5A, -24V/0.3A

5V/1.5A, -24V/0.3A enclosed switcher. IEC input. 100-250Vac, 50-60Hz. UL, CSA, CE, GS approved. **PWR1178**.....**$7.95**

5VDC/1.2A REGULATED

5Vdc regulated wall wart. You need a regulated 5 volts to run your projects and/or experiments? We got-cha covered. **5V/1.2A** regulated wall wart. 2.5mm, center+, barrel connector. UL approved. **PWR1141**.....**$5.95**

SWITCHING WART

This will power those home projects. A little switching **5Vdc/2.4A** wall wart. This thing is really neat in that it is relatively small and very light weight. Nothing to assemble or solder, just plug it in and you have a regulated 5Vdc that terminates in a 2.0mm barrel connector. Center positive, UL, and CSA approved. **PWR1143**..... **$6.95**

ENCLOSED SWITCHER

Input: 100-230Vac. Output: **24Vdc/4.4A**(100Vac in), 5A(230Vac in). Measures 7-3/4"x4-3/8"x1-1/2". **PWR1165**...**$24.95 or 3/$60.00**

TERMS: Add $5.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red label(1 day), Blue label(2 day), and Orange label(3 day), will all be charged according to weight and zone. Orders over $50.00 add .85 for insurance. All C.O.D. Texas Residents add 8 1/4% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship USmail to all other countries. Canada add $7.50 minimum shipping and handling. Countries other than Canada add $15.00 minimum shipping and handling.

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12V/1.5A REGULATED

The wall wart to beat all wall warts, whatever that means. This **12V/1.5A** switching wall wart is manufactured by I.T.E Power Supply Co/Marconi. Just plug it in and giddy-up. 2.1mm barrel connector, center positve, UL, CSA, double insulated, 100-240Vac, 47-63Hz, my gosh anything else and it could probably drive. **PWR1150**.....$6.95

5V/6A ENCLOSED SWITCHER

Here is a very nice **5V/6A** enclosed switcher. IEC input. 100-240Vac, 47-63Hz. Fused input. UL, CSA, CE, GS approved. **PWR1177**... $9.95

REGULATED PLUG-IN 12V-1.2A

This linear plug-in power supply is regulated. A full **12 volts** DC at a whopping **1.2 Amps**. It Does have a weird plug on it, but I'm sure you can find a way to replace it. **PWR1022**..... $5.95

47W POWER SUPPLY

Nice switching power supply, nice price. **+5V/4.5A, +12V/1.4A, -12V/0.3A, 12V/1.2A**. IEC input and rocker switch for power. Crank it up. Measures 6"x4-1/2"x2". **PWR1192**.....$5.75

12V/1.7A POWER SUPPLY

12V, 1.7A, regulated open frame Condor power supply. 100/120/215/230-240Vac input. 47-63Hz. These power supplies were pulled from working units. You will need to fuse the primary, but the secondary is already fused. Measures 4"x4-3/4"x1-3/4". **PWR1176**.....$7.95

5 AND 10A VARIACS

Completely enclosed, fused, lighted on/off switch, meter, manually controlled, **5A variac**. 500 watts of controllable power. Plug it in and feel the power. 0-130Vac, Imax 5A. **PWR1172**.....$59.95
Oh...My...Gosh...another one. This one is bigger, if you need more power over bigger things. It is still enclosed, fused, lighted on/off switch, metered and manually controlled, but this one controls **10A**, a full 1000 watts. If control is your bag, to coin a "Nike" saying, which I am sure is trade marked, "Just do it". Buy it, that is. 0-130Vac and Imax 10A. **PWR1173**..... $89.95

IT'S LOW, NOT DEAD

Charge! Well isn't that what you do to sealed lead acid batteries that are lacking their full power. This plug in charger will do just that. It will take them up to full power again before you know it, and it is all automatic. Just plug it in and forget it. Red Light indicates it is charging, green light indicates it is fully charged. Complete circuitry controls all the options. Rated **12Vdc/1A**. **PWR1128**.....$16.75

DC/DC CONVERTER

DC to DC converter. Take this little cube, apply 18-40Vdc and the output is **3.3Vdc/5A**. Manufactured by Power Trends. Model PT4141C. Measures 1-5/8"x1-1/2"x5/16". **PWR1153**..... $1.99

DCV CONVERTER

Park my car in the garage, 'cause I'm done. Plug this DC voltage converter into your cigarette lighter and you can go from **1.5, 3, 4.5, 6, 7.5, 9, to 12 volts** and you can also change the polarity of any of the plugs. Comes with 2.1mm, 2.5mm, and a 1.3mm barrel connector, a 2.5mm, and a 3.5mm plug, and a 9 volt battery jack. 1A slow blow fuse included. Nuff said, let's plug something in. **PWR1100**..... $2.99

DC/DC CONVERTERS

36-72Vdc/6.8A input. 48Vdc nominal. XWT series-Triple output, 150 watt. **+5V/4A, +12V/4A, -12V/4A**. Has short circuit and over current protection. Comes with a heat sink already installed. Measures 5-1/2"x3-1/2"x1-1/4". With data. **PWR1127**.....$9.99

Another DC/DC converter by Computer Products. 48 Volt input **5V/2A** output. **PWR1024**.....$8.99

9V BATTERY SNAPS

9 Volt battery snaps.
BAT1033..... .25 or 5/$1.00

2 FOLD 9V BATTERY SNAP

Not only do you get this 9V battery snap, but on the other end is the oft wanted 2 pin connector. The .1" spacing on the connector is well worth the price. Take my word for this one. Buy it now so you won't have to make a trip to the electronic store at midnight. **BAT1064**..... .49

ALKALINES

Simply, the very best alkaline batteries manufactured. These brand new, industrial strength batteries were just manufactured this year. Most are date coded with a shelf life into the year 2006. You can actually feel the difference. Get'em while they are fresh. AAA alkaline. **BAT1027**.....4/$1.59
AA alkaline. **BAT1028**..... 4/$1.59
C cell alkaline. **BAT1029**..... 2/$1.58
D cell alkaline. **BAT1030**..... 2/$1.78
9 volt alkaline. **BAT1031**.....2/$2.45

LR-41 BATTERIES

Pack of ten. Micro battery. 1.5V by Sunnex. The battery with the gold top. AG3 replaces **192, LR41, and G3**.
BAT1021..... Pack of 10/$1.99

LR-44 BATTERIES

Pack of ten. Alkaline By Vinnic. L1154-1.5V.Replaces **AG13, LR44,157, V13GA, RW82, and A76**.
BAT1015..... Pack of 10/$1.99

AA HOLDER

Battery holder holds 4 AA battery cable and 4 pin female header. This is still one of the best and most inexpensive computer back-ups available. Why pay high prices for real small cells? Double sided tape holds the battery holder in place.
BAT1016..... .79 or 2/$1.20

SAY CHARGE IT

You can't beat this price and quality for a **"D"** cell nicad rechargeable. Eveready, 1.2 volt, 1.8Ah. **BAT1052**.....$1.49
Brand new rechargeable **"C"** cell by Eveready Battery. Nickel Cadmium, 1.2 volt, 1800mAH capacity. A great buy.
BAT1042..... $1.49
"AAA" cell. Nickel Cadmium, 1.2 volt, 220 mAH capacity.
BAT1044.....$1.25

AA NICADS/TABS

This **AA nicad** puts out 1.25 Volts at 600 mAh, and has tabs. Brand new batteries. **BAT1038**.....$1.49 or 4/$5.50

C CELL NICADS

"C" cell. Always a good buy. 1200 mAh. Without tabs. **BAT1008**.....$1.25

COIN CELLS

CR 2032. **BAT1011**..... .59 or 5/$2.00
BR 2325. **BAT1012**..... .59 or 5/$2.50
Battery holder. **BAT1013**..... .75
BR 1225. **BAT1014**..... .99
CR2016. **BAT1022**..... .69

BUTTON CELL HOLDER

Button cell holder. Inside diameter 12.3mm. Outside diameter 15mm. Solder legs. **BAT1053**.. .35 or 10/$2.75

LEAVE IT TO THE SUN

No more dead batteries. Power those home projects from the sun. This solar panel is rated at 12V/.08A. Simply plug the attached cigarette lighter plug in the car or any other 12V rechargeable and let'er trickle charge. Or you can cut the cigarette lighter plug off, and hook up your electric windmill, etc. Solar panel measures 13-3/4"x3-3/4"x3/4". Brand new. Sold for $39.99 at Tech America and Radio Shack. Our price is less than half. **PWR1148**.... $15.95

SEALED LEAD ACID

12 Vdc--7Ah sealed lead acid (gell cell) battery Most popular size on the planet. Used in home alarm systems and computer UPS's. Shipping weight 6 lbs. Brand new, unused, 2003/2004 date code.
BAT1019N.....$14.95

LEAD ACID BATTERY

12 volt 1.3Ah sealed lead acid battery. Brand new. Measures 3-7/8"x1-3/4"x2". **BAT1054**.....$5.75

6 volt 1.3Ah sealed lead acid battery. Brand new. Measures 3-7/8"x1-3/4"x2". **BAT1057**..... $5.45

TERMS: Add $6.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds are shipped according to weight and zone. Red label(1 day), Blue label(2 day), and Orange label(3 day), will all be charged according to weight and zone. Orders over $50.00 add .85 for insurance. No C.O.D. Texas Residents add 8.1875% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada, add $7.50 minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

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GP23A BATTERY

One of the most popular alkaline batteries. Found in car alarm remotes and garage door openers. 28mmx10mm. Great things come in small packages. **12 volts.**
BAT1051..... .99

NICKEL METAL HYDRIDES

Nickel metal hydride rechargeable battery. **AA** battery. A whopping 1800mAh.
BAT1061.....A Steal..... $1.59
4/5A nickel metal hydride rechargeable battery, 800mAh. **BAT1049**..... $1.19
2 AA nickel metal hydride batteries in a telephone type pack. Voltage is 2.4V at 1500 mAh. Nice pack.
BAT1065..... $1.99 or 10/$15.00
9V nickel metal hydride. 8 cells. 160mAh. Manufactured in Germany by Emmerich. Expensive...yep. Worth it?...Oh yeah.
BAT1063..... $5.95

ZIP IT UP

Portable battery for your zip drive. Powers Zip drive up to 3 hours. Convenient, built in charging. Plugs directly into outlet. Attaches easily to Zip drive, or use it as a portable **6V/1000mAH** regulated battery supply. Contains Nickel Metal Hydride batteries. **PWR1104**..... $11.75

NI-MH/NI-CAD CHARGER

Compact nickel metal hydride/ni-cad battery charger. Charges 2-4 pieces AA/AAA or 1-2 pieces 9V battery. Wow, what a bargain. Comes complete with 4-1600mAh Ni-MH rechargeable AA batteries. Simply plug it in and charge it up.
BAT1058.....$14.95

8.4V/3.8AH NMH

This battery pack has some power. **8.4V/3.8Ah**, Nickel Metal Hydride. These battery packs were pulled from some brand new equipment and replaced with another power source. In some cases, the packs may have some cosmetic blemish, i.e. broken wire, etc., but in no case will any bent or damaged cells be sent. The battery packs have 7 "4/3A" size Sanyo batteries. Individual batteries measure 67mmx 17mm. Pack also contains a thermistor and thermal fuse to protect against over heating. Pack measures 4-3/4"x2-11/16"x11/16". **BAT1060**..... $6.95

LITHIUM

A **3 volt** rechargeable lithium coin cell rated 3Volt/50mAH. 20.5mm mounting. **BAT1006**..... $1.19

MORE DB25 STUFF

Bracket for a DB-25. Plugs into the back of a computer. **ACS1163**..... .19
DB25 M to RJ11/12 connector. **CAB2063**... .79
DB25 F to RJ11 connector. **CAB2064**..... .79
Mouse adaptor-DB 25F to DB 9M.
CAB1074..... $1.29

DB25 CABLES/CONNECTORS

DB25/Centronics printer molded 6 foot.
CAB1001..... $2.75
DB25/Centronics printer molded 10 foot.
CAB1002..... $3.50
DB25/Centronics right angle printer cable.
CAB1024..... $1.99
Bi-directional printer cable. IEEE/1284 standard. 6 foot. **CAB1048**.$3.95 or 3/$10.00
DB 25 male to DB 25 female. 6 foot. RS 232 serial cable. **CAB1003**..... $2.45
DB 25 male to DB 25 female. 10 foot. RS 232 serial cable. **CAB1004**..... $3.50
DB 25 male to DB 25 male. 6 foot.
CAB1097..... $2.75
DB 25 male to DB 25 male. 10 foot.
CAB1098..... $3.50
DB25 - Solder Cup Male **CAB1026**..... .40
DB25 - Solder Cup Female **CAB1027**..... .40
DB25 - Right Angle PC BD - Female.
CAB1028..... .40
DB25 - Right Angle PC BD - Male.
CAB2057..... .40
DB 25 M/M bidirectional 6 ft. **CAB2046**....$5.25
I/O cable set. DB 25M to DB 9F serial cable. 16 inches. DB 15F to IDC 16 joy stick cable with mounting bracket. 13 inch.
CAB1050..... $1 .29
Gender Changer DB25 male to DB25 male.
CAB1016..... $1.49
DB-25 female to 25 pin header. **CAB1067**.. .59
DB-25 female (parallel) pigtail on a bracket with header. **CAB1070**..... .79
DB 25 Laplink cable. 8 foot parallel.
CAB1078..... $7.00
DB 25 Laplink cable. 10 foot serial.
CAB1077..... $9.00
DB25 connector hood. Plastic with hardware.
CAB2037.....4/$1.20

PS2/AT CABLE

PS-2 M/F keyboard extension cable. 6 foot. **CAB1007**..... $2.75
AT M/F keyboard extension cable. 6 foot. **CAB1007A**.....$2.75
25 foot PS-2 Male to female cable.
CAB2087..... $3.99
PS-2 Male to 5 Pin Din female.
CAB2007..... $1.19
5 Pin Din Male to PS-2 female.
CAB2008..... $1.19
AT keyboard male to male. 6 foot.
CAB2003..... $2.75
PS-2 mouse and keyboard. M/M 6 foot.
CAB2001..... $2.75
PS-2 mouse and keyboard. M/M 10 foot.
CAB2002..... $3.50

DB9 CABLES/CONNECTORS

DB 9 male to female. 6 foot. **CAB1099**... $2.75
DB 9 male to male. 6 foot. **CAB2028**..... $2.75
DB 9 male to male. 10 foot. **CAB2000**.... $3.50
DB 9 F solder cup. **CAB2050**..... .35
DB 9 M solder cup. **CAB2051**..... .35
DB 9 Hood. **CAB2052**..... .35
DB 9 F to RJ-11/12 connector. **CAB2053**... .79
DB 9 M to RJ-11/12 connector. **CAB2059**.. .79
DB 9 M to RJ-45 connector. **CAB2060**.....$1.49
DB 9-R.A. PC BD - Male. **CAB1029**..... .35
DB 9-R.A. PC BD - Female. **CAB1030**..... .35
DB 9 F to RJ-45 connector. **CAB2061**.....$1.49
DB 9 male to 9 pin header. **CAB1068**..... .49
DB 9 male to DB9 female. 25' long.
CAB2081..... $6.50

CD ROM CABLE

Sound Blaster connector on one end and an MPC latching connector on the other.
CAB1087..... $1.25 ea or 10/$8.95

DB15

DB15 female to RJ 45 female, 8 wire.
CAB2058..... .79
DB15 female to 10 pin header.
CAB1091..... .59

VGA CABLES

VGA M/M. 6 foot. **CAB2005**..... $2.75
VGA M/M. 10 foot. **CAB2006**..... $3.50

VGA CABLES

VGA male to female extension cable. 6 foot.
CAB1006..... $2.95
VGA high end video cable. This high end video cable has a high density 15 pin D-sub (for video card) on one end and 5 BNC connectors on the other. It will also work for the 3-BNC type and the 4-BNC type. Heavy duty shielding. Cable is 6 foot long and will handle red, green, blue, vertical sync, and horizontal sync. **CAB1076**..... $12.50
DB 15HD M to RJ-45 conn. **CAB2062**..... .79
DB15HD male to 2 DB15HD female "Y" cable.
CAB2082..... $5.95
VGA,15 foot, high resolution, double shielded, M/M DB15HD cable. **CAB2072**..... $14.95
VGA, 6 foot, high resolution, double shielded, M/M DB15HD cable, with a ferrite noise suppressor on each end. **CAB2073**..... $4.95

"Y" CABLES

DB15HD male to 2 DB15HD female "Y" cable.
CAB2082..... $5.95
4 pin "Y" cable for powering 1-5.25" drive and 1-3.5" drive with the input being large 4 pin male.
CAB2084..... .99
4 pin power "Y" cables for powering disk drives and CD roms. **CAB1014**..... .99
S video Y cable. S video male to 2 S video female. Measures 1 ft.
CAB2099..... $4.95
This 13 foot "Y" cable was designed to connect a receiver to a subwoofer. Radio Shack Gold Series, double shielded, gold plated audio male/male(2) connectors. Many other uses.
CAB2103..... $3.95

USB CABLES

Type A male to male. 6 FT. **CAB2015**..... .99
Type A male to type A male USB cable. 10 Ft.
CAB2100..... $2.15
Type A male to type B male. 6 FT.
CAB2016..... .99
Type A male to type A female. 6 FT.
CAB2041..... $1.49
USB type 2 cable. 10 ft. "A" male to "B" male. The price is not a misprint.
CAB2070..... $1.99

CABLES AND CONNECTORS

XT Mother Board Bus Connector. 2X62.
CAB1025..... .49
PS-2 type PC board connector. 6 connections + ground. **CAB2024**..... .49
PC board terminal connector.
ACS1073..... 20/$1.00
Test point. **ACS1068**..... 25/$1.00

TERMS: Add $4.95 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red (fast) and Blue (slow 2 day), and Orange (slow 3 day), will all be charged according to weight and zone. Orders over $50.00 add $5 for insurance. No C.O.D. Texas residents add 8 1/4% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada add $7.50 minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

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ADAPTER AND CONNECTOR

3.5" POWER ADAPTER. For 3.5" drive. Standard to miniature power adapter. **CAB1032**.... **.79**

Drive Connector--34 Pin Contact Pin header to edge connector. Floppy drive data cable. **CAB1033**..... **.49**

FLOPPY & IDE

Two drive floppy cable. **CAB1064**..... **.49**

Two floppy's and a tape drive cable. **CAB1065**..... **.70**

ATA100 IDE cable. One device, 18". **CAB2070**..... **.99**

ATA 100 IDE cable. Two device, 18" with a two device 18" floppy cable. **CAB2071**..... **$2.95**

ATA100 IDE round cable. Two device, 24", black. **CAB2074**..... **$6.50**

Round **floppy cable.** Two device, 24", yellow. **CAB2075**..... **$4.50**

NULL MODEM CABLES

DB-25 male/female. **CAB2038**....**$1.95**

DB-9 female/female. 6 ft. **CAB2067**..... **$1.95**

GROUND WIRE

9" ground wire. 18 gauge, 600 volt, 105° C. Spade lug and ring terminal connections. **CAB1075**.... **20/$1.00**

IEC EMI FILTER

IEC EMI filter by Corcom. 6A, 120/250V. Model number 6EH5. UL, CSA. **PWR1154**..... **.99**

IEC EMI

Compact IEC connector filter. IEC inlet EMI filter. Screw mountable. 6 amp. Delta Electronics part number 06DEEG3B. Mounts in a 1-1/8"x7/8" cut out. Mounting holes 1.575". Stop the interferance. Get this filter today. **PWR1119**..... **$1.49**

PLUGS AND RECEPTACLES

Turns 3 prong AC plugs into a 2 prong. Polarized. Rated at 15 amps/125 volts. **PWR1039**..... **.39 or 3/$1.00**

IEC receptacle. Panel mount. **PWR1040**..... **.49**

POWER UP

6 outlet power strip with basic surge protection. Made of durable ABS plastic. **PWR1037**..**$6.95**

CIGARETTE LIGHTER PLUG

Coiled cord cigarette lighter plug with a 3A fuse and an "on" LED indicator. Terminates with no connector, so add you own. **PWR1179**.....**$1.70**

CIGARETTE LIGHTER

Cigarette lighter plug to 2.1mm barrel connector. Center positive. **PWR1191**.....**$1.10**

LAPTOP POWER CORD

25AC5 AC cord by Volex. Grounded 3 wire power cord. AC male on one end, and the 3 hole triangle on the other end. Plug is molded and UL approved. **PWR1106**.....**$1.79**

LINE CORDS

POWER CORD 6 Ft. Grounded 3 wire line cord--AC male on one end and IEC female on the other. Computer cord. **PWR1020**..... **$1.39**

15 foot IEC cord for keeping that server going. A whopping 14/3 wire size to remain in fire code compliance. **PWR1193**.....**$4.29**

ROTATOR

The male AC end rotates a full 360 degrees. You have got to see this to appreciate it. This 12", 14 gauge, 3 wire AC cord is a must have, even if it is to brag to your buddies. **PWR1107**..... **$1.89**

CHEATER

Figure 8 cheater cord. 18 gauge, 2 conductor, 6 foot. **PWR1061**..... **.79**

IEC SERVER CORD

Right angle IEC server cord. For the equipment that is left on constantly, this 16/3 cord is an excellent choice. Most computer cords are 18/3. This cord has larger wire. Manufactured by the #1 cable builder Belden. 6 foot long, hanked and ready to go. **PWR1065**.....**$1.95 or 10/$12.50**

ALLIGATOR CLIP LEADS

Heavy duty alligator clip lead set. A set of 5 clip leads in a set. They are 12" long and come in 5 different colors. **CAB2021**..... **$1.55**

DUAL 28 PIN

Dual 28 pin edge connector. 1/8" spacing. **CAB1096**.....**2/$1.00**

CAT 5 WITH RJ-45 ON ENDS

100 feet of category 5 cable with RJ-45 on each end. Utilizes four stranded, unshielded, twisted pairs to meet the electrical requirements for data transmission. Handles up to 100 megabytes per second.

100 Ft. **CAB2026**..... **$12.95**
1 Ft. **CAB2098**..... **$1.10**
3 Ft. **CAB2030**..... **$1.49**
7 Ft. **CAB2031**..... **$2.50**
15 Ft. **CAB2032**..... **$3.50**
25 Ft. **CAB2033**..... **$4.50**
50 Ft. **CAB2034**..... **$11.50**

SHIELDED CAT5

Try to put some interference in this 12' CAT5 cable. It can't even get through the end connectors, because they are shielded too. **CAB2080**..... **$2.89**

KEYSTONE CAT5 JACKS

When you are networking, you have got to plug your computers into an RJ45 jack. We have seen these advertised for $4.95 each. These white CAT5 jacks are brand new and manufactured by Keystone. They do not require a punch down tool. Includes wiring diagram on the back. **COM1137**.....**$2.49 or 10/$17.50**

Face Plates:
1 Position. **COM1139**..... **$1.49 or 10/$9.95**
2 Position. **COM1140**..... **$1.49 or 10/$10.50**
3 Position. **COM1141**..... **$1.49 or 10/$10.50**
4 Position. **COM1142**..... **$1.49 or 10/$10.50**
6 Position. **COM1143**..... **$1.49 or 10/$10.50**

SCSI CABLES

Internal SCSI Cable. **8 connector 7 device SCSI cable.** Unbelievable. **CAB1053**.....**$3.95**

SCSI pass through cable for external SCSI box. Dual 50 pin female header is in the middle of the cable. **CAB1062**.....**$1.95**

THE TERMINATOR

SCSI-2 Terminator, HPDB50 Active with LED. Terminators plug into the first and last device on the SCSI bus to match the impedance of the cable to minimize reflected signals. Active terminators add a voltage regulator to the circuit which allows a consistent signal to be transmitted everywhere on the bus. **CAB2094**.....**$1.99**

S VIDEO Y

S video Y cable. S video male to 2 S video female. Measures 1 ft. **CAB2099**.....**$4.95**

TOSLINK-VIDEO

The very latest technology cables. Gold plated, extra heavy duty, ferrite filter on the video cable. This cable combines a Toslink optical cable and a composite video cable male/male together for A/V components that have digital audio and composite video connections. One cable to run both your audio and video signals. This will give you better sound and picture quality. 3 feet long and easily separable. Price is not a misprint. **CAB2096**.....**$2.95**

6 FOOT TOSLINK

Another winner from B.G. A 6 foot Toslink cable with industrial shielding and gold plated connectors. Don't lose any picture quality. **CAB2102**.....**$4.95 or 3/$12.00**

12' S-VIDEO/AUDIO

Another winner from B.G. Micro. A 12' S-Video/Dual Audio cables male/male, extra heavy duty, gold plated, with dual ferrite noise filters on the audio lines. Complete high quality with a very affordable price. In fact, it's a steal. The flexible black jacket makes it easy to route the wires, and the cables are shielded. **CAB2097**.....**$4.95**

TERMS: Add $5.00 shipping and handling for orders over 5 pounds. Blue labels 2 days, and Orange labels 3 days. We will be charged according to weight and zone. Orders over $50.00 add .85 for insurance. No C.O.D. Texas Residents add 6 1/4% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada add 5% minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

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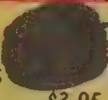
S-VIDEO CABLES



Heavy duty, shielded, gold plated, quality S-video cables in 5 popular sizes at 5 popular prices.
6' S-video cable. **CAB2069**..... **$1.95**
12' S-video cable. **CAB2018**.................... **$3.95**
25' S-video video cable. **CAB2019**.......... **$6.95**
50' S-video video cable. **CAB2020**.......... **$9.95**
100' S-video video cable. **CAB2088**...... **$14.95**

Don't forget to check "Catalog Additions" at www.bgmicro.com before you order, to get the latest additions.

MIDI CABLE

Musicians this is for you! Standard MIDI cable, 5 ft. long. For interface to keyboards, computer and other midi devices. **CAB1080**.................................. **$2.95**

AUDIO CABLES

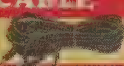
2.5mm male stereo to **2.5mm** male stereo. 32" long.
CAB1089...... **.69 ea or 10/$3.99**
3.5mm stereo male to **3.5mm** stereo female. 6 foot. **CAB2023**.. **$1.29**
3.5mm straight male stereo to **3.5mm** straight male stereo 6 foot cable. **CAB2043**........... **.99**

3.5mm straight male stereo to 2 **RCA** male 6 foot cable.
CAB2089............................**$1.95**
3.5mm straight male for digital cameras(4 pole) to 3 **RCA** male 6 foot cable. **CAB2090**......**$1.95**

RCA black male solder. **AUD1055**........ **4/$1.00**
RCA black female solder. **AUD1056**..... **4/$1.00**
RCA red male solder. **AUD1057**........... **4/$1.00**
RCA red female solder. **AUD1058**........ **4/$1.00**
RCA male to male. 6 ft. **CAB2040**....... **3/$1.00**
RCA male plug. **AUD1024**.......... **.15**

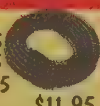
7" RCA male to 2 RCA male.
CAB1082............. **.60 ea or 2/$1.00**

3.5MM MONAURAL CABLE



A 12 foot 3.5mm M/F monaural cable. **CAB2085**................. **.99**

RG 6 CABLE



RG 6 coaxial cable Has a connector on each end. 25 ft. **ACS1328**..**$2.95**
50 ft. **ACS1329**........................**$6.95**
75 ft. **ACS1330**........................**$9.95**
100 ft. **ACS1383**..................................**$11.95**
We just got in a bunch of 25' lengths of RG-6 coaxial cable. There is a rubber boot on one end for protection against weather. Connectors on both ends. **CAB2086**..............................**$2.95**

RG-178 COAX

50 ohm, double wire shield, Teflon covered RG-178 coax. Silver-coated, copper-covered steel conductor. TFE Teflon-Insulation. 200°C. Passes VW-1 vertical wire flame test. Allied Electronics cheapest price .43 a foot in 1000 ft. rolls. B.G.'s price .15 a foot. **ACS1368**..... **.15 a foot**

RIGHT ANGLE "F"

Handy little part. A right angle coax(F) connector for RG-6 coax. Put it on and crimp it.
CAB2079............ **.49 or 3/$1.00**

COAX CONNECTOR

Extend your coax with this female/female connector.
CAB2054............. **.39 or 3/$1.00**

MORE PHONE STUFF

RJ-45 F/F connector straight through.
CAB2048... **.79**
RJ-45 F/F crossover. **CAB2049**............... **.79**

RJ CRIMP-ONS

RJ-45 crimp-on. **CAB2065**......... **.22-100/17.50**
RJ-11 crimp-on. **CAB2066**......... **.22-100/17.50**

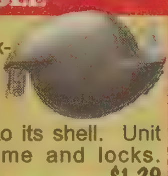
CELLULAR RECEIVER

Cellular phone receiver. Don't know what you could do with this, but it does have a lot of good parts. Switches, speaker, LCD, electret microphone, coil cord, etc. Sorry, no documentation. Cellular phone receiver.
ACS1075.. **$1.59**

CABLE HOOK-UP

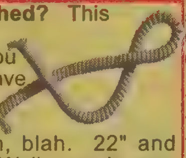
A 25 foot phone cable, a 6 foot coax cable, an 8 foot audio/video cable, and 2 "AAA" alkaline batteries. Hey, the batteries are just in the package.
CAB2076........................ **$2.99**

RETRACTABLE



A retractable phone cord that works like a tape measure. Extend it out to 6.5 feet. When your are through, simply slide the button backwards and the spring loaded unit retracks into its shell. Unit clicks out about 3" at a time and locks. **ACS1440**.. **$1.29**

RECEIVER CORD



Is your coiled cord stretched? This receiver coiled cord is just what the doctor ordered. You know you need one. You have been putting off ordering it because other things are more important, blah, blah, blah. 22" and stretches to 110". Beige. Well, now is your chance. **CAB2077**.................. **.49 or 3/$1.00**

TELEPHONE STUFF

Dual modular wall jack for connecting 2 modular phones to 1 wall jack. **ACS1403**....................... **.99**

RJ-45, 4 wire, black, male to male 6 Ft.
ACS1136...... **.55**

RJ 45-8 wire PC board connector.
ACS1132........... **.42 ea or 3/$1.10**

RJ-11, 4 wire, PC board mount.
ACS1354........................ **.39 or 3/$1.00**

TELEPHONE CORD

This 6 ft. 4 conductor RJ11 phone cord was made specifically for modem use, or anything that needs serious low noise. It has circuitry to cut out RF and spurious emissions. The 3/4" toroid captures the junk and does away with it. Put 'em on all your phones. **ACS1050**.................. **.75 or 5/$3.00**

6 FOOT TELEPHONE CORD

Repeat of a sell out. Here is a 6 ft. 4 conductor RJ11 phone cord. Hook up your phones and don't worry about them. RJ11 male on each end. Buy these up and get some spares. **ACS1327**........... **.29**

MESSAGE STOPPER

2 female telephone jacks to a single telephone male plug with some fancy circuitry that automatically cuts off answering machine when telephone handset is lifted. Also prevents accidental interruption of fax or modem transmissions.
CAB2055.. **$1.99**

CRYSTALS

30.72 KHZ	.50
32.768 KHZ	.65
43.740 KHZ	.55
262.144	.50
300.000	.50
1.000	.75
1.8432	.75
1.940	.50
2.000	.50
2.560	.50
3.06122	.50
3.0720	.50
3.120	.65
3.200	.50
3.4560	.50
3.5468	.50
3.579545	.60
3.6864	.65
3.99984	.50
4.000	.99
4.0960	.50
4.19430	.50
4.433618	.50
4.4444	.50
4.9152	.99
5.000	.50
5.0688	.50
5.0713	.50
5.120	.50
6.000	.50
6.176	.50
7.15909	.50
7.164112	.50
7.3728	.50
7.680	.50
8.000	.50
8.192	.50
9.6	.50
10.000	.50
10.240	.50
11.0592	.50
11.289	.50
11.6688	.50
11.933	.50
12.00	.50
14.31818	.50
15.000	.50
15.2	.50
16.000	.50
17.1	.50
17.6256	.50
18.4320	.50
19.090	.50
19.440	.50
19.9680	.50
20.000	.50
20.375040	.50
21.87108	.50
23.247	.50
24.000	.50
91.000	.50
143.7640	.50

OSCILLATORS

1.8432	1.79
3.579545	1.79
3.6864	1.79
4.000	1.79
4.9152	1.70
5.000	1.70
7.2	1.25
9.0909	1.30
12.000	1.49
13.6829	1.30
16.000	1.79
16.257000	1.40
18.000	1.79
18.432	1.50
20.000	1.79
20.725	1.25
24.000	1.49
24.595	1.60
28.322	1.25
32.000	1.49
40.000	1.49
49.7664	.79
50.000	1.75
56.3836-1/2 can	.75
66.000	1.85

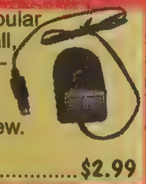
LITTLE BITTY HARD DRIVE

Brand new 810 Megabyte, IDE, 2-1/2", laptop/notebook hard drive. Standard 44 pin interface. Comes with manufacturers label removed.
COM1164.......... **$19.95 or 2/$33.00**

INTERNET MOUSE

PS2 Internet mouse. Two buttons and a roller. Up and down the internet you go.
ACS1351..**$5.50**

WHERE'VE THEY BEEN?



These little babies used to be popular with the laptop crowd. It's a small, 2 button, black, mini mouse manufactured by Logitech for IBM. Approximate measurements are 4"x2"x1-1/4". They are brand new. Get 'em before the cats do.
ACS1422..**$2.99**

TERMS: Add [illegible] shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. (Red label(1 day), Blue label(2 day), and Orange label(3 day), will all be charged according to weight and zone. Orders over $50.00 add [illegible] for insurance. No C.O.D. Texas Residents add 8 1/4% Tax. 90 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada, add $7.50 minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

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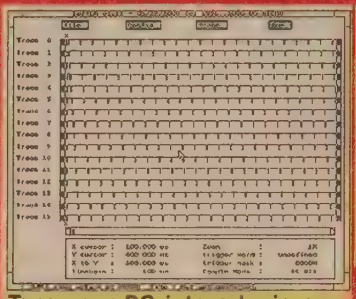
SOFTLA

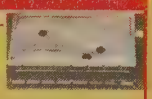


Turn your PC into a logic analyzer. This unique B.G. Micro exclusive is an **affordable**, **working** logic analyzer. Now you don't have to **own** the test lab to be able to anal-yze your projects. Monitor up to 16 channels simultaneously, with this nifty piece of software. Measure time in micro seconds between any two points. Now comes with 7 Zoom features. System requirements: *80286 or better (Faster processor means faster sampling rates.) *640K ram (512K free) ***Dos 5.0 or above** *VGA (EGA w256K and Hercules work in monochrome) *A mouse is recommended, but not required *Bi-directional parallel port (Non bi-directional ports will only support 8 traces) **NOTE: ECP/EPP ports will work with this software in "compatability mode".** **SoftLA** on 3.5" disk with 22 page manual(PDF format) also on disk (analyze this). **Compare at up to triple the price!**
COM1024.....**$29.95**
Probe cable kit with 18 micro-clips, 6 feet of cable, connectors, and easy assembly instructions.
COM1025.....**$17.90**

TONER TRANSFER

Toner transfer system from DynaArt Designs. Create instant printed circuit boards, professional looking enclosures, or full color decals. No chemicals, no darkroom, no negatives, and no wasted time. Fast, easy, efficient. Transfer laser or photocopier printed circuit designs to blank boards, ready to etch in just 3 minutes. 5 sheets of 8-1/2"x11" specially coated papers. Easy to follow instructions.
ACS1349.....**$18.95**

VIDEO MODULATOR



A high quality unit using the ever popular 1889 IC. Outputs on either channel 3 or channel 4. Unit measures 4"x2"x 1.25". We even include data and a schematic. Output is RCA Phono Plug.
ACS1020..... **$3.50 ea. or 4/$12.00**

PROTECTOR

Speaker protector Kit from Tech America. *Compatible with Stereo or mono amps. *Comes with LED to show circuit is functioning. *Has internal delay to eliminate power-on noise. Requires 24-28Vdc. Add this in-expensive kit to protect those expensive speakers.
KIT1027.....**$4.95**

BEFORE YOU ORDER

Be sure and check out the "Catalog additions" at **www.bgmicro.com** before you place your order

LENS ASSORTMENT

Check out this heavy duty lens assortment. 4 distinctive plastic lenses and a mirror that we picked up from a "virtual reality" game manufacturer.
LEN1002..... **.99**

VIRTUAL LENSES

These lenses were used with a virtual reality screen. The lenses, polarizers, mirrors, etc. are incorporated in the lens on the right. Virtual reality lens.
LEN1015..... **.79**

MICROFILM LENS

This little lens came from a microfilm apparatus manufacturer. It has a very powerful lens. The focal length is about 1/2". Excellent quality Microfilm lens.
LEN1007..... **.99**

BEZEL

Bezel. Finish off that project with this bezel. Outside Dimension 2-1/2"x1-1/4". Viewing area 1-3/4"x3/4". Clear plastic lens fits in bezel.
ACS1067..... **.99**

PRISM

This prism has several prisms glued together. It uses very high quality glass and weighs in at 1 pound.
LEN1024.....New Price.....**$1.99**

40" OF.....

What's white, 40" long, round, and has absolutely nothing to do with electronics. It's the new nylon shoestrings we have for sale. Hey, diversity is the name of the game. Buy 1584 of them, put them end to end, and you have 1 mile of shoestrings. Perhaps Guinness would be interested. Perhaps not.
ACS1034..... **20/$1.00**

NICE LENS

Super high quality glass lens. 1-1/2" in diameter. 3.5" focal length. Easily mountable.
LEN1017..... **$1.49**

THE MAIN LENS

This is the main lens in the Made in Japan lens. Diameter of the main lens is 1-5/8". This assembly includes four lenses. Gear driven for focus, with threaded mounting flange. Without flange.
LEN1010..... **.99**

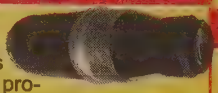
3:1 PROJ. LENS

This 3:1 fixed focal length lens has glass elements that provide a high contrast image from up to a 0.9 inch diameter imager. The back focal distance is 4 inches and the projected horizontal image size from 10 feet is 37 inches. The front element diameter is 4 inches and the rear element diameter is 2.375 inches. The overall length of the lens is 10.5 inches and it weighs 8.5 pounds. A threaded mount is located 4.5 inches from the rear of the lens.
LEN1025.....**$29.95**

5:1 PROJ. LENS

This 5:1 fixed focal length lens has glass elements that provide a high contrast image from up to a 0.9 inch diameter imager. The back focal distance is 4 inches and the projected horizontal image size from 10 feet is 23 inches. The front element diameter is 4inches and the rear element diameter is 2.375 inches. The overall length of the lens is 9.5 inches and it weighs 5.75 pounds. A threaded mount is located 4.5 inches from the rear of the lens.
LEN1026..... **$29.95**

7:1 PROJ. LENS

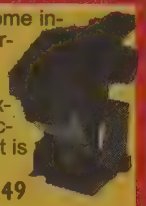


This 7:1 fixed focal length lens has glass elements that provide a high contrast image from up to a 0.9 inch diameter imager. The back focal distance is 4 inches and the projected horizontal image size from 10 feet is 18 inches. The front element diameter is 4 inches and the rear element diameter is 2.375 inches. The overall length of the lens is 9.5 inches and it weighs 5.5 pounds. A threaded mount is located 4.5 inches from the rear of the lens.
LEN1027..... **$29.95**

BIG MAGNIFIER

High quality glass lens in a housing. Approximate focal length 1.7", 2" diameter. 1-1/2" thick.
LEN1029...**$1.99**

INTERESTING LENS

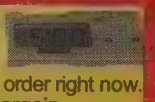


This assembly has some interesting lenses, a surface mirror, etc. Not really much more to say about this one, except that it is manufactured by Minolta and it is inexpensive.
LEN1014.....**$1.49**

RADIO CONTROLLED

You want the time. This clock receives a signal from WWV and sets itself to the correct time. The clock shows the time zone you are in, the date and the temperature. Has an alarm too. A sleek design with 1-3/16" tall letters for easy viewing across the room. Measures approximately 6"x6"x1". Runs on 2-AA batteries. **ACS1400**.....**$19.95**

IT'S TIME

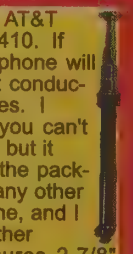


This little clock module keeps perfect **time** and also shows the date. So don't be late, order right now. It's **time** you got a bargain.
ACS1138..... **.99 ea. or 5/$3.50**

PLUG-IN TIMER

Plug this 0-60 minute timer in and plug your appliance, radio, anything electric into it and set the timer from 0 to 60 minutes, turn the unit on and forget it. It will turn off at the end of the cycle. Nothing really hard about it, but the instructions are on the back if you need them. **ACS1417**.... **$2.49**

REPLACEMENT ANT



You cannot use this on AT&T model 4110, 4310, or 4410. If you do, your cordless phone will become a 12 giga watt conductor and melt your glasses. I really don't know why you can't use it on those models, but it says that you can't on the package. Can be used on any other AT&T cordless telephone, and I am sure that it will fit other manufacturers. Measures 2-7/8" collapsed, and 11-1/2" extended. 1/4" in diameter. **ACS1411**.....**2/$1.00**

TERMS: Add $6.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red label(1 day), Blue label(2 day), and Orange label(3 day) will all be charged according to weight and zone. Orders over $50.00 add $5 for insurance. No C.O.D. Texas Residents add 8.25% Tax. 90 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada, add $7.00 minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

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THE PELTIER X2

These peltiers come in pairs. They are DT6-6. They operate on 6Vdc@5.6A and are tied in series, so you can either use them on 12V@5.6A or cut them apart and use them independently. Removed from equipment. **ACS1387**.....$7.55

THERMOELECTRIC COOLER

Hot on one side, cold on the other. Up to 74 degrees C temperature difference between the two faces when the correct heat sinks and voltages are used. And I would have to say that this is an optimally engineered peltier. Apply 12-13.8V at 4 to 4-1/2A and you will experience the ultimate peltier effect. Measures 5-1/8"x5x3-3/4". **ACS1432**..... $19.95

SINK IT

Medium sink measures 4-3/8"x4". Fins are 1/2" from the base. Weighs 9oz. **ACS1342**.....$1.59

Whomever designed this must have eaten way too much sugar. I hope the picture does it justice, 'cause I sure as heck can't tell you what it was used for. Looks like it mounts vertically. Measure 3-3/8"x3-1/4". Fins measure from1-3/8" to 1". You ought to buy one of these just to have something to talk about. Weighs 7oz. **ACS1343**.....$1.19

CELERON HEAT SINK

Celeron finned heat sink without the clips. Brand new heat sinks. Measures 5-1/2"x1-7/8"x1". **ACS1300**..... .79

HEAT SINKS

What's that ad on TV with the guy's feet on fire? Well tape this heat sink on your foot, put your extra large socks on and you will never have that problem. Measures 2-3/8"x2-1/4" with 8 1-1/4" tall fins. Introductory offer. **ACS1409**.....3/$1.00

TO-3 heat sink. Diamond shaped 1", and has fins that are 1/2" tall. Keep those TO-3s cool. **ACS1045**....3/$1.00

Snap on TO-220 heat sink. Another winner from B.G. Micro. **ACS1047**.....5/$1.00

PIECE OF ALUMINUM

This is a nice piece of aluminum with 2 screw holes in the thick edge. You can make it your own heat sink for whatever you want. If you want a small heat sink for your peltier, this is the ticket. Measures 2-1/4"x1-11/16"x5/8". **ACS1313**..... .99

5-1/2"X4-3/4"X3-9/16"

Those are not **my** measurements. They are the next featured heat sink. This heat sink was originally used for 2 solid state relays. Ten 1-1/8" fins on the bottom and 6 on the top with a 1/4" mass in the middle. So like the youngsters say, "keep it cool". **ACS1443**.....$4.95

PENTIUM HEAT

Pentium Power-This finned heat sink is a must for your computer, or just keep it on your desk, so when someone asks "What is that?", you can expound for hours and show your intelligence. Measures 2-1/8"x2-5/16" with 54 1-1/4" fins. Actually made for the Pentium. **ACS1033**.....$1.99

MORE HEAT SINKS

This is a stand up heat sink. Simply screw in a TO-220 and you are set. Approx. 2-1/2" tall, 1-5/8" wide, and fins are 1" thick. **ACS1412**...4/$1.00

This is a great heat sink that mounts on the corners. Base measures 4-9/16"x2-3/8". Orientation: Longitudinal with 14 1-1/4" tall fins. **ACS1413**.....2/$1.00

4-5/8"x2-3/8"x1/4" heat sink mountable on the corners. Usually used on DC to DC converters, but after you buy it, you can use it on anything you want. Staple it to your forehead if you want. Seriously, they will work well on peltiers. **ACS1414**... .79

4-5/8"x2-3/8"x1/4" heat sink mountable on the corners. Usually used on DC to DC converters and peltiers. Orientation longitudinal. **ACS1415**... .79

Heat sink for 2 TO-66 transistors. Black anodized. Measures 3-13/16"x3"x15/16". **ACS1416**.....$1.29

ALMOST SQUARE H.S.

Almost square heat sink. Heat sink measures 2-5/16"x2-3/8" with 10 1" tall fins. Mounting holes on the corners. **ACS1427**..... 3/$1.00

XEON HEAT SINK

Besides being an excellent heat sink, which it has to be to protect the Xeon processor it was designed for, it's also pretty. Copper color, it has 32 5/8" fins that protrude from a 3-1/2"x2-1/2"x 1/4" base. Comes in a protective plastic cover with mounting hardware. **ACS1430**.....$4.95

QUALITY HEAT SINK

This heat sink was obviously designed for some high quality piece of equipment, probably audio. Measures 15-1/2"x3-1/16"x1-3/4". Has 9 1-3/8" fins. 15 mounting holes spaced around the heat sink for easy mounting. **ACS1437**.....$3.95

ANOTHER FOOT

This will do away with the piece of folded paper you have under your favorite do-dad. These rubber feet are the perfect size. 3/4" in diameter and 7/32" thick. 18 of these rubber feet per sheet and they have plenty of stick'em. Less than .11 each. **ACS1286**.....18/$1.95

Small rubber feet. 3/4" diameter with a 1/8" hole for the screw. 5/16" thick. **ACS1164**..... 8/$1.19

SQUARE FOOT

Old square foot will make that project stand up. Another perfect size foot. Measures 7/8" square and 1/2" tall. **ACS1290**.....20/$2.49

LITTLE SQUARE FEET

Little square feet 1/2" square by 1/4" tall. Great for small board projects. Plenty of stickem. Get them now or you will be sorry when you need them. **ACS1311**.....12/$1.00

BUTTON FEET

75 rubber button feet, that measure 6.8 mm(.26") in diameter. Put them on everything. **ACS1371**.....$1.99

BIG FOOT

Tired of that case rockin'? Fix it with big foot. These rubber feet are the ones found on the bottom of computer cases. 1-3/8" diameter. **ACS1021**.....4/$1.00

RUBBER BUMPERS

These rubber bumpers are neat for protection. You can even use them as rubber feet. These bumpers have an octagonal(yes, it is a word. I looked it up) shape. They are made of a soft spongy rubber and have a sticky back. Measure 2-9/16"x3/4"x1/8". **ACS1289**.....10/$1.00

KNOBS

Black knob with polished aluminum top. 1/4" hole with 2 set screws. **ACS1346**.....3/$1.00

Polished aluminum knob. 1/2" in diameter. Fits a 1/8"x3/32" slotted shaft. **ACS1347**..... .15

Knob 7/8" diameter with aluminum insert. Inside 1/4" flatted shaft. 5/8" tall. **ACS1108**.....5/$1.00

RAIL LOCK KIT

Thorough security solution for PCs, Macs, printers, bicycles, garden tools, tool boxes, etc. Completely universal! Protects CPU, monitor, keyboard/mouse, blah, blah, blah against theft with just one lock. See it work at www.golocks.com Patented Rail Lock. Includes high security 7 pin, anti-drill tubular cylinder keyway. ***NG-100CT*** includes:(1) Rail lock, (2) keys, (2) security plates, (1) steel cable, (1) tube of adhesive and screws. Installation instructions. Compare at $57.00+. **ACS1393**.....$5.95

4 PORT USB HUB

Plug this 4 port, type 1, USB, self powered HUB into your existing USB port and away you go. Now you can run more USB stuff. This compact HUB is manufactured by Tripp-Lite. Comes with connecting cable. **COM1162**.....$11.95

TERMS: Add $6.50 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red (next day), Blue (after2 day), and Orange (after3 day), will all be charged according to weight and zone. Orders over $50.00 add $5 for insurance. no C.O.D. Texas Residents add 8 1/4% Tax. 10 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada, add $7.50 minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

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MEOW

Introducing the Cue Cat. The USB bar code reader. Plug it in any USB port and you are ready to read some bar codes. It will output the text onto your computer just like you were typing it. These cats have been modified and will not send any tracking info. They read UPC-A, UPC-E, EAN-13, EAN-8, 2-of-5 interleaved, CODABAR, CODE39, and CODE128 bar codes. You can set up cataloging, point of sale, or a UPC database. Create your own bar codes. Check out the links on our "Tech Docs" page at www.bgmicro.com. **COM1161**.....**$7.95**

AUXILIARY HANDLE

Bosch auxiliary handle fits drills, rotary hammers, etc. Expands from 1-1/4" to 1-5/8". Rubber handle/good grip. Measures approximately 10-1/2" long. **ACS1367**.....**$1.95**

PALM 5 WIRELESS MODEM

Wireless Minstrel V by Novatel. Outfit your Palm 5 with this beauty. **Specifications: Dimensions** Length 4.96" (12.6 cm) Width 3" (7.8 cm) Thickness 0.4" (1.0 cm) .ht 4.5 oz. (128 g) [with Palm 0.9" (2.3 cm)] **Modem Features:** ·CDPD specification v1.1 ·19.2 kbps full duplex ·Comprehensive AT command set, built in TCP/IP, UDP, PPP and SLIP protocols ·0.6 watt RF Power Output **Built-in Features:**·Retractable antenna ·3 LEDs indicating Service, Data Flow and Charging/Battery levels ·Includes integrated Lithium Ion rechargeable battery and AC adapter ·1 customizable feature button **Battery** The Minstrel V comes with its own internal rechargeable Lithium-Ion battery and fast charger, providing reliable, sustainable power and quick charging in 3-3.5 hours. With Software. These units were removed from working Palm 5s. Recap: Comes with Wireless Modem, Software, and Charger. Completely guaranteed.
COM1163..... **$7.95**

FLIP IT CALCULATOR

Mash the button and the cover automatically becomes the stand that provides the best working angle. Flip it back and put in your pocket. Only 1/2" thick, and comes with auto-off function. **ACS1345**... **$3.95**

EPOXY

2-ton clear epoxy by Devcon. Comes in a 2 in 1 dispenser that measures and dispenses precise amounts automatically. Then apply the cap and keep until you need it again. A high strength, clear liquid epoxy for water resistant repairs. Hardens in 30 minutes at room temperature. Bonds to darn near everything.
ACS1356..... **$2.29**

SCANNER READER

This bar code reader was designed back in the Atari computer days. It was designed to program from a home computer. However, the computers and the devices produced today for reading bar codes far surpass what is in the "Oscar". However, there are still some useful parts in this device. We have absolutely no data, but I'm sure, with a little ingenuity, you can have this bar code reader doing all sorts of things. **COM1118**.....**$2.50**

MAGNETIC STRIPE READER

Magtek 21045002, Mag. stripe reader with plastic guide. Reads track 2 on credit cards. 2-125ips @ 75bpi/ 2-60ips @ 210bpi swipe speed. Complies with ANSI/ISO standards. TTL output. 5VDC power. 6" leads to .1" header socket conn. Sorry, no data. **ACS1080**.....**$3.95**

GOOD INFO

Fully discharged nicads can be re-charged in approximately 14 hours. It is not recommended to leave nicads on continuous charge.

HAYES OPTIMA 288

Hayes Optima 288 V.34 + Fax for PCMCIA. Compatible with major notebooks, flash ROM upgradeable, plug and play ready. 28.8 bits/s over phone lines. 230,400 bits/s with data compression. Install easily in any PCMCIA II, III, or Toshiba 16mm slots. Display packaged and includes phone cord, Smartcom data and fax software. **COM1175**.....**$7.99**

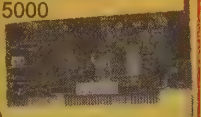
TRAVELCARD FAST

Compaq TravelCard Fast PCMCIA modem. These cards are brand new from Microcom. 33.6 Bps with this neat little card. You can download the drivers from the Internet. Sorry, no phone cords available.
COM1176.....**$1.49 each or 10/$10.00**

NETWORK 10/100 PCI CARD

Compaq Netelligent 10/100 TX PCI Intel UTP Controller. NC3120 Features: *Bus-mastering. *Auto-negotiates to 10 or 100Mb/s. *Network Fault Tolerance. *Full Duplex Support. *PCI Plug and Play. *Diagnostic LEDs. *Fast Ethernet NIC PCI 10/100 UTP. *RJ45 port. You can download the drivers on the Internet. **COM1177**.... **$5.99**

56K DSVD D/F MODEM



Compaq 56K DSVD Data/Fax MODEM Deskpro EP Presario 2000 4000 5000 Series and other ISA bussed machines. Plug it in and go. You can download the drivers on the Internet. 2 RJ 11 jacks(line and phone).
COM1178..... **$14.99**

TABLE TOP DIPOLE

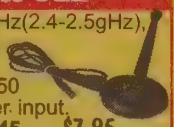
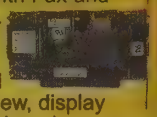


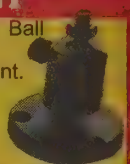
Table top dipole, 2400-2500mHz(2.4-2.5gHz), 2dBi, SHF 2.6 coax, polarized SMB connector. Omni directional in the horizontal plane. 50 ohm impedance. 1 watt power input. Measures 3.937" tall. **ACS1445**.....**$7.95**

INTERNAL FAXMODEM



Internal Faxmodem, complete with Fax and data communications software. Data 28,800 Bps and Fax 14, 400. V.34 and V.Fast Class with V.42bis, V.42, MNP2-5 and MNP10 EC. ISA buss. Brand new, display boxed. 2 RJ 11 jacks(line and phone).
COM1174.....**$3.99**

CAMERA MOUNT



Now here is a neat camera mount. Ball joint, and screw-in lock lets you set your camera to the position you want. Fits standard threaded camera mounts. Base measures 1-3/4" diameter and comes with three mounting screws. Height is 2-1/4" including the screw mount. **ACS1402**.....**$2.79**

GEAR TIME

Make your robot gear driven with this handy little gear. This gear is made out of hard plastic. 30 teeth. O.D. 11/16". I.D. 1/4". Length is 5/8". If you do anything with gears, you will love this one and the price too. **ACS1155**.....**4/$1.00**

ROLL 'EM

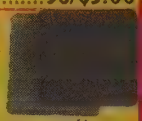
Need a caster to move some stuff? We have just the ticket. These brand new Bassick Canaphin casters will fill the bill. They are top plate casters and will hold up to 900 pounds each with their phenolic resin wheels. These ball bearing casters are brand new and come with a side mount metal plate attached. Easily removeable. The wheels measure 3" in diameter and are 1-13/16" wide. Compare at up to $25.00 each. **ACS1372**..... **4/$25.00**

DISK DRIVE

We've got'em! Not good English, but darn good drives. **3-1/2"** high density 1.4Mb.
New. **COM1114**.....**$17.50**
Reconditioned. **COM1147**.....**$8.75**

3-5" 1.44 DISKETTES

These 3.5" 1.44 diskettes were written to one time and then the company scrapped the project. They do have the write protect tab. Just put another label over the one that is on there, format it and away you go. Once again you get the savings.
COM1120.....**50/$3.00**



This plastic 2 disk holder protects the 2 3-1/4 disks inside. It's small and very portable. Just pitch the holder in your case and be on your way, knowing your disks are protected. New price. **ACS1179**.... **3/$1.00**

LEATHER PDA CASE

Leather PDA and cell phone case with a place for your credit cards, business cards, etc. This is a very nice case. Inside measurements are 7"x4-3/4"x1".
CAS1015.....**$4.95**

TERMS: Add $6.95 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red (next day), Blue (also 2 day), and Orange (and 3 day) will all be charged according to weight and zone. Orders over $50.00 add $5 for insurance. No C.O.D. Texas Residents add 8 1/4% Tax. 90 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We currently ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada add $7.50 minimum shipping and handling. Countries other than Canada add $15.00 minimum shipping and handling.

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PROJECT BOXES

2 project boxes that are a great size. The first one measures 3-1/4"x2"x1-3/8". Comes with an aluminum top. Good for mounting 2"x1-1/2" boards. With hardware. **ACS1157**..... $1.95

Another project box measures 4-1/8"x 2-5/8"x1-1/2". Comes with an aluminum top. Good for mounting 3"x2-1/4" boards. With hardware. **ACS1158**..... $2.95

Couple of new plastic project cases I think you will like. For the small projects, this case is ideal. Measures 2-5/8"x 1-3/16"x1-3/8". **ACS1438**..... $1.85

The next one is for those medium size projects. Measures 5-1/4"x3-1/4"x 1-5/8". Both cases come with a metal top and assembly screws. **ACS1439**..... $3.69

IDC CRIMPER

Crimps all sizes of IDC connectors. Brand New! **ACS1032**..... $14.75

HANDHELD RATCHET

10 bit ratchet screwdriver. 3 phillips tips, 3 slotted tips, 4 hex sockets, and 2 bit extensions. Carrying box measures 4.6"x3.65"x 1.55". A perfect size for the glove box. **TOL1016**..... $4.49

MAGNETIZER/DEMAGNETIZER

This is a handy little gadget for keeping in the tool bin. You can magnetize the tools you want magnetized and demagnetize the ones you don't. There is really not much to writing these words when you look at a brilliant statement like the one above. **TOL1019**..... $2.29

30 PC. TAMPER PROOF TORX

30 pieces. Tamper proof screwdriver bits set. Includes, hard to find, #7 torx type bit. **TOL1005**..... $18.95

TORX BITS

9 piece precision star (Torx) tamper proof screwdriver set. Five of the most popular Torx bits, TT6, TT7, TT8, TT9, and TT10, available in this shirt pocket size tool set. **TOL1006**..... $8.59

TELEPHONE TOOL

This handy little AT&T tool, does it all. Testing plug-Plugs into phone jack to test for correct wiring(Tri color LED). Slitter-For easy removal of wire jacket. Wire guide-Presses wire snugly into slots. Staple guide-Positions wire staples for safe, sure installation. Tab remover-Breaks out wire channel tabs on jacks. Hole-For hanging up this tool. **TOL1020**..... .99

6" SIDE DIAGONAL

6" side diagonal cutters. You have seen them before, but not at this price. **TOL1021**..... $2.29

RIBBON FERRITE

Put your ribbon wire through this ferrite and give a knockout punch to RFI. **COL1018**..... .59

RIBBON TYRAP

Clean up your ribbon wires with this unique ribbon wire ty-rap. Apply to almost anything---- Comes with double sided tape. Also works with regular wires. Never know when you will need them, so buy a bunch. **CAB1010**..... 20/$1.00

CABLE TIES AND TIE DOWNS

Cable tie rap tie down. Has double sided sticky tape. Insert cable tie either North and South, or East and West. An excellent item to keep your wires, etc. neat and tidy.
ACS1160..... 5/$1.00

4" Cable ties. Made in the **USA**. Color-Natural Nylon-UL approved.
ACS1436..... 100/$1.19
ACS1101..... 1000/$9.95

EXTRA LONG CABLE TIES

Use these 11-3/8" Panduit cable ties to wrap up that 3" bundle of wires you have. C'mon, let's get this place neat and tidy. No use showing you a picture, surely you know what a cable tie looks like!
CAB2044..... 100/$4.99 or 1000/$37.50

M. B. STANDOFFS

Mother board standoffs. Hard to find. Easy to lose. **ACS1100**..... 25/$2.50

HARDWARE

Hex male-female standoffs. Male 6-32x1/4" female 3/8"x6-32. Aluminum.
ACS1085..... 20/$1.00
Male 3x.5mm female 3/8"x3mm.steel.
ACS1086..... 20/$1.00
Male 6-32x5/16" male snap guide plastic. **ACS1088**..... 100/$2.00
Hard to find computer case screws.
M3x10 pan head phillips. **ACS1089**..... 100/$2.00
6-32x3/8 hex head washer. **ACS1090**..... 100/$3.00
M4x8 hex head washer. **ACS1091**..... 100/$3.00

SCOTCH-MOUNT

3M double coated vinyl foam tape 4432B black, 1/2 in. wide, 1/32" closed cell vinyl foam carrier with 430 acrylic adhesive and 3.0 mil, 62 lb densified kraft liner. Medium solvent resistance. High relative adhesion to HSE plastics and low adhesion to LSE plastics. What does all that mean? Double sided tape! Good cushion, conformable, flexible, weather resistant with internal foam strength. Use for mounting indoor signs, nameplates and wall corner protectors to irregular surfaces. Mount trim panels in trailers. Mount display screen in electronic scales. 35 cents a foot. **ACS1366**..... .35
Complete roll is 108 feet. **ACS1377**..... $19.95

CONTINUOUS GROMMET

Continuous grommet strip, solid, natural, 100 foot roll. Cut a hole in your metal or plastic case and put this continuous grommet around the edge to protect you cables. Made of Polyethylene. Gap size is .06". Fits 7/64 thickness. **ACS1378**..... $3.95

SPLICER

When you need to connect one wire to another and there is not enough room to cut and strip, slip this handy do-dad over the wire. Install the new wire, and clamp.
ACS1391..... 5/$1.00

HEX STANDOFFS

Hex, plastic, standoff 1-3/4"(44 mm) long. The hole is unthreaded and measures 2 mm. **ACS1178**..... 12/$1.00

Aluminum hex spacer. 11/16" Threaded 8/32. **ACS1099**..... 20/$1.00

NOISE MAKERS

Sona Alert type alarms. First the EAI 382K is a panel mount, continuous tone alarm with screw terminals. Operates from 30 to 120V AC or DC. Measures 1.69" in diameter with the mounting hole of 1.08". **AUD1049**..... $2.95

Next, the EAI 435 is a pulsed alarm with wire leads. 20 pulses every 15 seconds. Operates from 3 to 12 VDC. Diameter is 1.64" and mounting holes are on 1.94" centers.
AUD1050..... $2.49

The EX 70K-panel mount, 3 to 12V DC, continuous tone, draws a whopping 7mA. Measures 2.09" with a mounting hole of 1.2".
AUD1051..... $2.49

The EAI 400K is a PC board mount continuous tone. The diameter is 1.67" and the mounting pins are on 1" centers. Operates from 3 to 12VDC.
AUD1052..... $1.99

And finally, the EAI 381KP is a screw terminal panel mount which measures 1.7" diameter and has a 1.10" mounting hole. Operates from 4 to 28VDC and pulses 20 times every 15 seconds. **AUD1053**..... $2.95

All of the above are very loud and should be used with some caution!

CAN U HEAR ME

8 ohm .25W speaker. 2-1/4" diameter. **AUD1012**..... .69 or 2/.99

32 OHM

32 ohm speaker. 2" in diameter. Ultra flat. 7/16" thick. **AUD1015**..... .49

TWEETER DUMB

Repeat of a sell-out. Large piezo Tweeter. 7-5/16"(W)x 3-1/8"(H)x4-3/8"(D) Sound Pressure Level (db/w) 96=2. Peak Power 80 watts. **AUD1016**..... $5.95

TWEETER DEE

Compact piezo Tweeter. 3-5/16" (square)x1-5/8"(deep). Sound Pressure Level (db/w) 96=2. Peak Power 80 watts. **AUD1071**..... $3.99

SIREN

Simply apply 12 Volts to this little baby, then you better hold your ears. Very loud! Great for car and intrusion alarms. Repeat of a sell-out. **AUD1002**..... $5.25

TERMS: Add $6.95 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red labels (1 day), Blue labels (2 day), and Orange labels (3 day), will all be charged according to weight and zone. Orders over $50.00 add .85 for insurance. No C.O.D. Texas Residents add 8.25% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada add $7.50 minimum shipping and handling. Countries other than Canada add $15.00 minimum shipping and handling.

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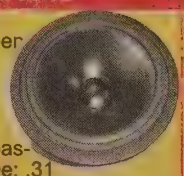
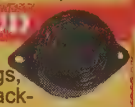
WHAT'S A VIFA



A Vifa is only one of the best speakers made and we happen to have them. We were told that they were used in the Mackie HR824 studio monitors. 8" woofer. 4 ohms 80 Watts RMS. Cast aluminum basket. Fs: 29.5 hZ. Qm: 2.2. Oe: .31 Qt: .27. Vas: 77LT. Sd: 235cm2. Bl: 10.2. Md: 29.5g. 30 oz. magnet. **AUD1067**.....$29.95

LOUD-LOUD-LOUD



Ear piercing sound from this Sona Alert, use to notify of door openings, etc. Hard to believe such a little package can produce such a loud sound. Operates between 3 and 12.5 volts. **AUD1040**..... $1.49

100 OHM SPEAKER

We looked everywhere for a speaker that would double as a microphone. High impedance speakers are really hard to find. We finally found it. This 2-1/4" diameter, 100 ohm speaker fits the bill perfectly. Great for intercoms, etc. Heavy duty magnet. Speaker measures 2-1/4"x3/8". While they last. **AUD1034**..... .69 or 2/$1.00

SWIVEL MIKE

Repeat of a sell-out! Yes, we just got these in. Beige color. The boom arm measures 10-3/4". 3.5mm stereo plug. Special price. **AUD1023**..... $1.99

ELECTRET MIKES

Omnidirectional electret condenser microphone with wires. Low impedance. 2.5 volts. Very small 1/4" in diameter by 1/4" thick. While they last. **AUD1018**..... .29

Omnidirectional electret condenser microphone cartridge WM-54B. Low voltage 2.5v, low impedance, small size, and very low current consumption (0.6ma) 3/8" diameter-3/16" thick. **AUD1022**.. .49

MICROPHONE

Multi-media microphone Use the holder and the double sided tape that comes with the multimedia microphone to attach to a camera, PC, commode, etc. 3.5mm plug. **AUD1021**..... .79

CROSSOVERS

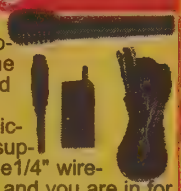
2.3mHy crossover coil. Manufactured by Erse. A sonically superior magnetic core coil. Features a specially shaped core that allows for optimal magnetic performance and increases the coil's effective permeability. 20AWG wire. Extremely low DC resistance(approximately 0.6 ohms), reduced distortion and very high saturation levels. The 250 watt power rating makes these coils perfect for high power prosound applications. Recommended for frequencies 0Hz-3000Hz. Same as sold by others for $5.95+. Measures 3"x1-1/4"x1-5/16". **COL1070**..$2.95

960uHy crossover coil by Chokes Unlimited. Coil wound on a round bobbin using 16 gauge wire. 2-18" diameter by 1-5/16". **COL1071**..... $2.49

COMPLETELY USELESS

Yep, that's right, I am a sucker for noise makers and I don't know why. This siren looking gizmo sounds like a telephone ringing. It pulses on for 2 seconds, then off for a second, then back on for 2 seconds. It is pretty loud but not ear piercing. Operates on 5-12Vdc. Buy several and make the neighbors think you get a lot of calls. **AUD1070**.....$2.95

WIRELESS



Boy, we were lucky to come up with this item. A super professional wireless microphone by J&B. Comes neatly packed in its own case. Simply put 1 AA battery(supplied) in the microphone and 1 AAA battery(supplied) in the receiver. Plug the1/4" wireless receiver into an amplifier and you are in for some great sounds with the unidirectional low impedance 600 ohm moving coil dynamic microphone. Operating distance is from 15 to 30 meters. Unit also comes with a cord, if wireless is not your "gig". Bargain time. **AUD1059**.....$29.95

SONY PCM AUDIO

This Sony PCM audio breakout box converts voice audio (300-3400 Hz) to digital PCM serial data. It also converts digital PCM serial data to voice audio (300-3400 Hz). Power: 12Vdc. The internal Datel DC-DC converter provides +/- 15Vdc. Integrated circuit complement(socketed): OKI MSM7543 CODEC-optimized for use in digital wireless systems, ISDN terminals, and digital PBXs(1 each). Analog Devices OP177G ultraprecision operational op amp(2 each). MAX207CNG-+/-15kV ESD-protected, +5V RS-232 tranceivers for harsh environment(1 each). All this inside a quality case that measures: 7-1/2"x5-1/2"x2-1/2". Front panel connections: 2 banana plugs(power), 2 BNC connectors, DB 9, and a DB 15. Sorry, no data. **COM1159**..... $15.95

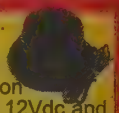
AUDIOPHILE

This is the best buy on a tweeter that we have ever made. Hard to describe the shape, but not hard to describe the crisp sound out of this winner. Heavy duty magnet measures 1-3/16" thick by 2-11/16" in diameter. 4 ohms, 50 watt RMS. 94 db. 3 kHz-20 kHz. Speaker measures 5-1/16"x3-3/8"x1-9/16". **AUD1068**.....$8.95

WHO'S LISTENING

You will hear it all on the world's smallest FM radio. Comes complete with batteries, and head phones. There is nothing about the sound this little jewel puts out that says it is small. Tired of listening to a station, just hit a button and it will automatically scan to the next station. Put it in your shirt pocket, the palm of your hand, or around your neck, you will always get crisp clear big sound. **ACS1082**.....$8.95

AWFUL SOUND



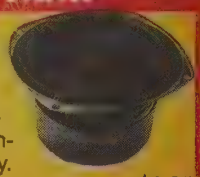
It's not a siren, buzz, or even a chirp. It is a hideous sound. I don't even have anything to compare it to. If you want something that just grates on your nerves, well, we have it. Apply 12Vdc and stand back, because this 95dBA(Min) "thing" will make the hair on the back of your neck stand up. Mounts on 2" centers. 3-3/8" diameter by 1-5/8". **AUD1062**..... $2.79

It's not enough that we bought these in 12Vdc, we also picked up some that are 24Vdc. Whoopee! **AUD1063**..... $1.79

MINI SIREN

This is the smallest, loudest siren I have ever heard. In a closed room, it could actually injure your ear drums. Draws 140 mA. at 12 volts. Measures 2.28" long x 1.67" tall. Made of ABS plastic. Great for home and car alarms, or to scare the whoopee out of Aunt Bea. **AUD1048**.....$5.49

NO NAME TANK



We have no data on this 4-1/2" speaker. It appears to be a mid range woofer with a big old magnet. Magnet measures 1-3/8"x3-3/8" diameter. 4 ohms. Wattage unknown, but looks pretty hefty. **AUD1069**.....$5.95

HARMAN KARDON

These are really nice computer speakers that are virtually brand new. They are factory returns because the customer did not order them. Most are unopened, and they are all in original packaging. They have a modern design and very good quality. They come complete with a 12V/1A power supply. Just plug 'em in and hear true quality from your computer. Each speaker measures 8-1/4"x4-1/4"x4". Get rid of that "tinny sound" and step up to Harman Kardon. **AUD1065**.....$9.95

HANDS-FREE FROM LABTEC

The Labtec Contact-301 hands-free headset for wireless, cellular and cordless phones. Features a compact earbud style for hands-free communication. Specifications: ·Home/Office Phone Compatibility: All phones with 2.5 mm jacks ·Wireless/Cellular Phone Compatibility: Most phones with 2.5mm jacks ·Includes Adaptors for: Ericsson — 500/600/700 series & Nokia 3190/3390/8290/8890/51xx/61xx series. **AUD1066**.....$5.99

RCA BLOCK

RCA block has 4 inputs. PC board mount. **AUD1077**..... .59

RCA BLOCK

This RCA block has 8 RCA inputs. PC board mount. **AUD1076**..... .79

TERMS: Add $6.50 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Rush (next day), Blue (next 2 day) and Orange (next 3 day) are all be charged according to weight and zone. Orders over $30.00 add $5.00 insurance. No C.O.D. Texas Residents add 8 1/4% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada add $7.50 minimum shipping and handling. Countries other than Canada add $15.00 minimum shipping and handling.

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GUARD IT

3-1/8" (80mm) metal fan guard. **ACS1130**..... .69
4.72" (120mm) metal fan guard. **ACS1339**..... .99
4.72"(120mm) black plastic fan guard. **ACS1388**..... .79
90mm(3.54") metal fan guard. **ACS1404**..... .79
60mm(2.36") metal fan guard. **ACS1405**..... .69

24 & 12VDC FAN

Ball bearing 24Vdc fan. 92mm(3.62")x 92mm(3.62")x25mm(.98"). Aavid part number 149A331. 7 blade, 120mA, 2000 RPM, 37.5 CFM, 25dB-A. **FAN1051**..... **$2.99 or 10/$22.50**
80x80x25mm, 12Vdc/160mA fan by Aavid Thermalloy. Dual ball bearing, 3000RPM, 39.50CFM, 29dB-A, 7 blades, 12" red and black wires. UL, C-UL, CSA, TUV approved. **FAN1056**..... **$2.99 or 10/$22.50**

115 VOLT FAN

A 115VAC 50/60 Hz. fan. Draws .10A. Measures 4.72" square x 1.5" thick. **FAN1038**..... **$12.95**

PENTIUM BALL BEARING FAN

Just arrived. Cyrix/Pentium cooling fan. Ball Bearing. The fan choice of CPU over-clockers. 12 VDC. **FAN1011**..... **$6.95**

LAPTOP FAN

This big old fan is a hum dinger. 12 volts and draws a whopping 40 mA. Measures 1"(25.40mm)x 3/8". UL and CSA approved. **FAN1040**..... **$1.49 or 5/$4.99**

SECONDARY CASE FANS

Secondary case fan found in many computers, comes with a pass through D.C. connector, measures 3-1/8" square. 12 volts, 180mA. **FAN1028**..... **$5.95**

99 CENT FAN SALE

Have we gone crazy or what? We got in so many fans that we are running out of room. So the only way to remedy that is to get rid of them. And the only way to do that quickly is to sell them cheap. Okay, here goes: These AAvid Thermalloy fans are all brand new and Dual ball bearing.
80x80x25mm(3-1/8x3-1/8x1"). 24Vdc, 90mA, 2500RPM, 32.40CFM, and 27dB-A. **FAN1057**..... .99
120x120x25mm(4.72x4.72x1"). 48Vdc, 200mA, 2050RPM, 82.50CFM, and 36.8dB-A. **FAN1058**..... .99
92x92x25mm(3.62x3.62x1"). 12Vdc, 160mA, 2000RPM, 37.50CFM, and 25.0dB-A. **FAN1060**..... .99
92x92x25mm(3.62x3.62x1"). 12Vdc, 220mA, 2500RPM, 47.20CFM, and 27dB-A. **FAN1061**..... .99
92x92x25mm(3.62x3.62x1"). 48Vdc, 130mA, 2500RPM, 47.20CFM, and 27dB-A. **FAN1062**..... .99
50x50x14mm(1.97x1.97x.55"). 5Vdc, 400mA, 5500RPM, 12.40CFM, and 26.4dB-A. **FAN1064**..... .99

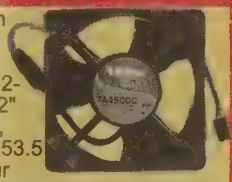
GAMMA 30 BALL BEARING

3.83"x3.72"x1.30"(97x94x33mm) plastic. 12V, 650mA, 57.4dBA, 25CFM, squirrel cage. Model A3 4124-33. Three lead wires, two power terminations. Open-collector tachometer circuit terminated in third lead wire. **FAN1068**..... **$5.20**

FAN AND SPEAKER COMBO

This unit was made to snap into a computer. The fan is 12 volts/80mm and the speaker is an 8 ohm/0.25 watts. **ACS1369**.....**$2.95**

TEXAS TWISTER

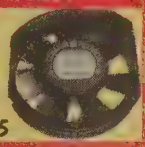


Wanna start a tornado in your living room? This one will do it. Nidec TA450DC, Model B34262-34. 12Vdc/800mA., 4.72" (120mm)x1-1/2"(38mm), 4050RPM, ball bearing, 53.5 dBA, and 130CFM. Four lead wires, two power terminations. Low-pass/ high-fail-68 alarm circuit terminated in third lead wire. Fan speed control circuit terminated in fourth lead. **FAN1067**..... **$7.95**

230VAC FAN

120mmx120mmx38.2mm 230Vac fan. Removed from equipment. 55mA, 50/60Hz. 68 CFM, 2100 RPM, zinc housing, 5 blade. **FAN1070**..... **$4.95**

24VOLT BIG OLD FAN



This ball bearing 24Vdc fan is a Major model JQ24B0VX. It's 7 blades move 235 CFM. 3 wire. Draws 1 amp. 3500 RPM. Measures 6.75"x5.92"x2.00" deep. **FAN1049**..... **$8.95**

48V PATRIOT FAN

This ball bearing 48Vdc fan is a Patriot model PQ48F4NDNX. It's a 7 blade fan even though the picture is of a 5 blade model. 235 CFM. 2 terminal connection with a 3rd control wire. Draws .17 amp. 3500 RPM. Measures 6.75"x2.00" deep. **FAN1050**..... **$8.95**

LOW NOISE QUIETIES

80mm(3-1/8")x80mm(3-1/8")x25mm(1"), 12Vdc/120mA fan by Aavid Thermalloy. 2500RPM, 32.40CFM, 27dB-A, 7 blades, 12" red and black wires. UL, C-UL, CSA, TUV approved. **FAN1055**....**$2.99 or 10/$22.25**

80MM FAN

80mmx25mm fan by Sunon. 12Vdc, 200mA. Ball bearing, 3100 RPM, 41CFM, 35dBa, 6 pole. **FAN1079**..... **$2.25**

30mm x 10.3mm fan. 12Vdc/60mA. 2 pin connector. **FAN1076**..... **$1.69**

50MM FAN

Two wire, 50mm(1.96") x 10.4mm (.409"). 12Vdc/0.15A. **FAN1046**..... **$1.49**

FANS FANS FANS

80mmx80mmx38mm. 3-1/8"x3-1/8"x1-1/2". 7 blades. 120VAC/.11A. Brand new. FP-108A. **FAN1042**..... **$7.95**
120mmx120mmx38mm. 4.72"x4.72"x1-1/2". 5 blades. 120VAC/.25A. Brand new. Sinwan. **FAN1043**..... **$10.95**
CPU-Cool 1.9"x1.9"x1/2" 12VDC heat sink fan combo. This stick-on fan has a 3 pin mother board connector. Individually boxed. **FAN1044**....**$2.49 or 5/$8.55**

115VAC FAN

Here is another winner. 115Vac fans removed from equipment, excellent condition. 80mm(3-1/8")x80mm(3-1/8")x38mm(1-1/2"). Ball bearing, 5 blade, 3000RPM, 35dB, 30CFM. You can't afford to pass up a bargain like this. While they last. **FAN1065**..... **$2.95**

DUAL BALL BEARING/GRILL

This one comes with a fan guard, so you won't lose any fingers. Manufactured by JMC Datech. Model 1225-12HBA. 12Vdc/600mA, 120mm(4.72")x25mm(1"), dual ball bearing, 88CFM, 45dBA, 7 blade, and 2600 RPM. Three lead wires. Third lead is for sensing rotation. UL, CSA, CUL, and CE approved. **FAN1069**..... **$3.75**

WHIRLWIND TIME

12V/1.5A, 5100RPM. Is it quiet? Well, no. It does move some mega air. Don't know exactly what the CFM is, but I will tell you one thing, it will blow out all the candles on your birthday cake. Manufactured by Delta Electronics, model FFC0912DE. Also has 7 blades, a fan guard, and a bi-color T-1 LED(red and green). 92mm(3.62")X 38mm(1.49"). **FAN1073**.....Special..... **$4.99**

50MM FAN/HEAT SINK

50mm fan/heat sink combo. Ball bearing. 3 wire, mini 3 wire connector. Very limited quantity. Comes with processor clip. 50mmx53mmx40mm. 12Vdc. **FAN1075**..... **$2.29**

80MM FAN SPECIAL

80mm ball bearing fan by Cyber Cooler. 3 wire. 3 pin mini connector. Limited quantity. 12Vdc/140mA. **FAN1074**..... **$1.99**

60MM 12VOLT FAN

60mm by 25mm, 12 volt, 180mA fan. This seven blade fan is very efficient. High performance, and very high quality. **FAN1077**..... **$2.29**

70mmx25mm 24V fan. 130mA, 3 wire, 7 blade. Manfactured by Sofasco. Airflow: 22 CFM Acoustical Noise: 25 dB (A). **FAN1078**..... **$2.95**

TERMS: Add $5.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red tag(1 day), Blue tag(2 day) and Orange tag(3 day) will all be charged according to weight and zone. Orders over $50.00 add .85 for insurance. No C.O.D. Texas Residents add 8 1/4% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada add $7.50 minimum shipping and handling. Countries other than Canada add $15.00 minimum shipping and handling.

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THIS WILL BLOW YOU AWAY

Repeat of a sold-out item. When you talk about the best fan on the market, you have to talk Panaflo. It is simply the **best** and the **quietest**. The Panaflo FBA08A12L has a Hydra Wave bearing, 12Vdc/.1Amp, 7 blade, 80mm fan. 3-1/8"(80mm)x 3-1/8"(80mm)x 1"(25.5mm). 24 CFM, and an astounding 21.0 dB-A. The finishing touches are 12" wires and a 2 pin female connector. And check out the price of this B.G. Micro exclusive. Better not drag your feet, quantity is dwindling.
FAN1003............................ **$3.19 or 10/$26.50**

FAN MOTOR

This is a weird looking outfit, but we figure it was a fan motor with a long shaft out the back, or you could put a fan blade on both shafts. What for we don't know. Operates optimally at 12 volts. Mounting holes spaced 1-7/8". Measures 1-1/2" in diameter. Shaft diameter 1/8". Shaft length 11/16" and 1-7/16".
FAN1037.......................... **.99 ea. or 4/$3.00**

MOTOR AND COLOR WHEEL

We don't have any specs on this motor and color wheel. This unit was used in a projection unit where they took data from a PC and showed it on a screen. The motor looks like a disk drive motor. The color wheel is self explanatory.....red, blue, and green. While they last. **ACS1060**.................................... **$1.49**

TOY DC MOTOR

This small DC motor looks like it was used in miniature race cars. Great for that small robot or "thing" that you've been wanting to build. Great size: 3/4"x11/16"x 3/8". Manufactured by the number one name in motors, Mabuchi. Works on 1-1/2 volts and up. Reversible. Shaft length 3/16". Shaft diameter 1/16". Strong magnet.
MOT1003... **3/$1.00**

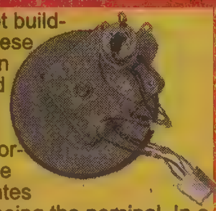
PICK A GEAR

This motor, gear box, nylon con-nectors, and 2 sets of gears can be used to drive your next or existing robot. Connect 1 set of gears and you have a 1:60 gear ratio. Connect the other set and you have a 1:288 gear ratio. Motor powered by 3V. 12000 RPM. **MOT1026**.................................. **$9.95**

ROBOTICS RIOT

This little bitty motor is going to be a hit with you robotics guys. It is manufactured by Mabuchi and the part number is FF-N20PN. The motor body is 15mm (.59") and the diameter is 12mm. Shaft diameter is 1mm. Operates on 1.5 to 6VDC with 3VDC being the nominal. At maximum efficiency the RPM is 5920@0.10A. Torque is 0.17mN-m.
MOT1022.. **.99**

ROBOT MOTORS



Repeat of a sell out. Robot builders, start your motors! These Mabuchi motors and Molon gearboxes were removed from working equipment. They are a robot builders dream. Good size, good torque, and good speed. The Mabuchi RS-380SH operates from 3~9 VDC, with 7.2v being the nominal. In a stall, the torque is 840g.cm, which means you can't stop the gearbox with your fingers unless you are some heavy duty gearbox stopper. The gearbox measures 3"x 2-3/4". The drive wheel is 4-5/8" in diameter, and can be removed. Slip an "O" ring over the wheel and drive away. At 3 volts, the gearbox turns 4 RPM, and at 9 volts, 15 RPM. The motor is reversible. **MOT1011**...........**$9.95**

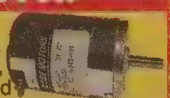
PORTESCAP GEAR BOX

A reduction gearbox with spur gears. 4 gear stages, 128:1, 18mm length, and 23.9mm diameter. Maximum recommended input speed is 5000 RPM. To see a PDF of gearbox, and to see what motors fit it, go to http://www.may.ru/mechanic/portescap/portescap_speedy_line.pdf, page 50. **ACS1421**......................... **$5.95**

WHERE ARE THE SATURNS

Another repeat of a sell out. This windshield wiper motor, manufactured by Trico, will make a good robot motor. 12 Vdc worm gear driven motor has 3 speeds. High is 12Vdc/4A and 106 RPM, medium is 12Vdc/2A and 75RPM and low is 12Vdc/.91A and 41RPM. The rotating arm is easily removable from the 3/8" threaded shaft. What else do we know about this motor? It is made of metal and has lots of torque. Seriously, the motor was made for 2000-2001 Saturns. So why do we have them? Maybe it doesn't rain where they are sending those cars. **MOT1023**.......................... **$17.99**

GLOBE DC MOTOR



24Vdc motor by Globe Motors. No load speed 3550-4850RPM. Reversible. At 12Vdc, no load, 1600-2400RPM. Typical no load torque 0.6 oz. in. Motor measures 1.5"x2-5/8". Flatted shaft 3/16"x3/4". **MOT1032**.........**$5.95**

I'M GETTING A PAGE

Tiny pager vibrator motor. Draws just under 100mA at 1.3Vdc. How much smaller can they make these precision motors? .63"x.187". **MOT1025**............ **.99 or 10/$7.90**

PAGER MOTOR

Tiny pager vibrator motor with a mounting bracket. Draws just under 100mA at 1.3Vdc. Measures 11.5mm(.45")x 6.1mm(.24"). **MOT1030**......... **.99 or 10/$7.90**

PANCAKE VIBRATOR

Pancake Vibrator. Completely enclosed. No external moving parts. 2.5 to 4V at 70mA. Comes with sticky substance on the back of the vibrator and will stick to almost anything. Diameter 12mm(.47")x4mm(.15").
MOT1031............................. **.69 or 10/$4.90**

RFI KILLERS

Three new RF killers. Ferrite tubes for RFI suppression. Designed to slip over cables. The first Cylindrical EMI suppression is Steward type 28. Length is 1.12", width .625", hole size .31".
COL1061.................................. **3/$1.00**
Fair-Rite type 43. 1.125"x.735"x.40" .
COL1062.. **3/$1.00**
Steward type 28. .50"x.686"x.375".
COL1063.. **3/$1.00**

Big Ferrite split beads with snap sleeves. Open 'em up, insert wire, snap shut and block RFI forever. 1/2"ID. 1.13"OD. 1.3"L.
COL1066.. **.99**

Dual coils wrapped on ferrite. 1.313 mHy each. Diameter approximately 1"x 1/2" thick. **COL1001**...................... **.49**

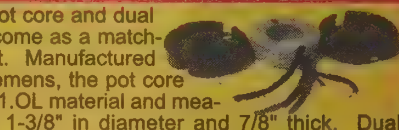
Trigger Coil. Each coil measures 2.30mHy. This transformer can be used to trigger SCRs. Coil base 5/8" square. Legs on 1/2" centers. **COL1011**.................... **.49**

POWER COILS

Great for switching regulated power supply applications and where ever high current choke values in a small physical size are needed. This power line choke measures 900uH. The saturation current (DC) is 6.7 amps. The rated current (AC) is 9 amps. Max. DCR (ohms) .127. The coil measures 1-3/4" diameter and 1-3/8" tall. **COL1006**.................................**$1.95**

This coil measures 100 uH. The saturation current (DC) is 13.2 amps. The rated current (AC) is 19 amps. Max. DCR (ohms) is .034. Coil measures 1-3/8" diameter x 1" tall. **COL1007**...................**$1.49**

POT CORE/COIL



The pot core and dual coils come as a matched set. Manufactured by Siemens, the pot core is .N41.OL material and measures 1-3/8" in diameter and 7/8" thick. Dual coils are 860 microhenrys each. Easily rewound to fit your application. **COL1017**............... **.59**

DUAL CHOKES

Current compensated 3.3mH dual choke configuration rated at 1.5A.
COL1065............................... **5/$1.00**

COILS

1-1/8"x1"x3/4". Dual 4mH. Production quantities available. **COL1055**..**5/$1.00**

Triple Coil. Measures 9.2mmx7.4mmx 8.2mm. Triple 1.3mH. **COL1064**.....**5/$1.00**

Dual coil 1.43 mHy. Plastic insert.
COL1015...................................... **.49**

Plastic encapsulated coil. Measures 7/16"x1/2" with Radial leads. 90 UH.
COL1014................................ **3/$1.00**

Dual coils wrapped on ferrite. 1.63 mHy each. Diameter approx. 1"x1/2" thick.
COL1008...................................... **.49**

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http: //www.bgmicro.com/

DUAL COIL

Dual coils wrapped on ferrmite. One side measures 1.8 mHy, while the other side measures 900 uHy. Outside diameter approx. 1-1/4"x 5/8" thick Mounts horizontally on plastic form.
COL1012..... **.49**

DON'T CHOKE

RF chokes. About the same size as a 1/2 watt resistor. Some molded, some conformal coated.
COL1019..... .12uh
COL1020..... .33uh
COL1021..... .39uh
COL1022..... .56uh
COL1023..... .68uh
COL1024..... 1.5uh
COL1025..... 2.7uh
COL1026..... 3.3uh
COL1027..... 3.9uh
COL1028..... 4.7uh
COL1029..... 5.6uh
COL1030..... 8.2uh
COL1031..... 10uh
COL1032..... 12uh
COL1033..... 15uh
COL1057..... 18uh
COL1034..... 22uh
COL1053..... 27uh
COL1035..... 39uh
COL1036..... 56uh
COL1037..... 82uh
COL1038..... 150uh
COL1039..... 180uh
COL1040..... 220uh
COL1041..... 330uh
COL1042..... 390uh
COL1043..... 470uh
COL1044..... 680uh
COL1045..... 820uh
COL1046..... 1000uh
COL1047..... 1200uh
COL1048..... 1500uh
COL1049..... 1800uh
COL1050..... 2200uh
COL1051..... 3300uh
COLxxxx.....
.39 ea. or 4/$1.00

100UH/2A

100 uH 2A choke-Body length 1-1/4" Diameter 1/4". Lead length 1-1/2".
COL1005.... **.33 or 4/$1.00**

TOROID CORES

Parts for hams/QRP projects. Popular Amidon Cores. The following cores are #6 mix(yellow). This mix is useful in the 3 to 50 mHz range and feature a very low temperature coefficient.
T50-6(.50" diameter).
COL1058..... **.89**

T80-6(.795" diameter).
COL1060..... **$1.19**

TOROIDS

Micro Metals T130-26 powdered iron. This material is best suited for line filters and winding filter chokes.
COL1003..... **.89 or 3/$2.10**

Arnold toroid core model number A-759135-2. (MPP) Molybdenum Permalloy Powder cores are pressed from powder made of 81% molybdenum and 17% iron. 1.84" O.D. diameter, .95" I.D., and .71 height. Permeability 60u.
COL1067..... **$1.95**

Magnetics Inc. toroid core. Model number ZJ44925-TC. Type (J) material. Very high permeability= 5000u. 2" O.D. and 1.25" I.D.
COL1068..... **$1.95**

TOROID TIME

This toroid is great. 115V/220V, 50/60 Hz input. 8.5V@ 1.1A and 14.9V@ .53A. Measures 2-3/4" diameter by1-1/8".
PWR1118..... **$5.95**

THICK TOROID

This toroid is the perfect size for you experimenters and tinkerers. Leave the wires on it and you have 2 coils. The insulated wire measures 86uHy and the 16-18 gauge magnet wire measures 1.55mHy. Or, you can remove the wire or wires and start from scratch on a coil form that measures 3" OD and 1" HT. Coil form width is 9/16".
PWR1161..... **$1.95**

BIG OLD TOROID

This toroid is wrapped with 18 gauge wire and measures 1.1mHy. Toroid measures 2-1/4"O.D.x1-7/8"I.D. Bottom insulator attatched with tie wraps. Good to go.
COL1069..... **$2.49**

LINE FILTERS

These Panasonic line filters can suppress conductive noise ranging from low to high frequencies generated at power supply circuits in various electronic equipment. These line filters are excellent in high frequency characteristics due to low stray capacitance realized by section windings. Rated voltage Less than 250 Vrms. Inductance 3.3 mH. Rated current 4.2 Amps. Panasonic part number is ELF-18D850B. PC board mount. DIGI-KEY's price $8.20, B.G.'s price.
PWR1025..$1.19 or 10/$8.95
Same as above except manufactured by TDK.
PWR1026.. .99 or 10/$6.95

1 COIL LATCH

DS2E-SL2-DC5V by Aromat. 2 coil latching relay. Relay will fit in a 16 pin package. **REL1062**..... **.79**

24VDC DPDT

This 24Vdc, DPDT relay is a stand up guy with 20A contacts. Manufactured by Master Electronic Controls. Model number GTS-2C-24D-D. UL, CSA approved. Control anything up to 20 amps.
REL1061..... **$2.95**

DS4E-M-DC5V

Production quantities available on this Aromat relay. 4 form C coils in this relay. Coil resistance is 62.5 ohms. 3 amp contacts. Relay will fit in 2-14 pin sockets, or a 28 pin skinny socket. Intrductory offer. New price.
REL1043..$1.49 or 10/$9.95

BOSCH SOCKET

Bosch style relay socket. This style relay are popular in automotive and security installations. 5 lead with wires.
REL1060..... **$1.39**

RELAY SOCKET

Relay socket fits our relay REL1023.
REL1041..... **.49**

RELAYS

12V SPDT HEAVY DUTY 30 Amp contacts-UL-CSA approved. Coil resistance is 150 ohms. Same footprint as Potter Brumfield. A steal.
REL1001..... **$1.95**

18VDC SPDT relay. 30 Amp contacts--UL--CSA approved. Coil resitance 380 ohms. Same footprint as Potter Brumfield.
REL1028..... **$1.49**

24VDC SPST normally open relay. 30 Amp contacts--UL--CSA approved. Coil resitance 800 ohms. Same footprint as Potter Brumfield.
REL1021..... **$1.49**

Double pole double throw 12 volt relay by Struthers Dunn. Coil resistance 430 ohms.
REL1002..... **$1.19**

SOLID STATE

Solid state relay by Gordos. Control voltage (input) 5 VDC. Output 10 amps up to 240 VAC. Removed from new equipment. Must be mounted on a heatsink. Measures 2-1/4"X1-3/4". Solid state relay.
REL1005..... **$5.95**

OMRON DIP

Omron Dip Relay. 5 VDC, DPDT. G5V-2DC5. Coil 50 ohms. 2 amp contact rating. Omron dip.
REL1007..... **$1.95**

Aromat JC2AJ-DC12V. DPST. Normally Open. 15 Amp contacts. Coil resistance is 160 ohms. PC mount 12V relay. **REL1018**..... **$1.95**

AROMAT

Aromat NF4EB-12V. Low profile. PC mount. 4PDT. 3 Amp contact rating. Coil resistance 350 ohms. 12V relay.
REL1017..... **$2.49**

DPDT, 2 amp, 12VDC, 180 ohm coil.
REL1015..... **$1.59**

12VDC relay by Omron. SPDT. 10 amp contacts. Coil resistance 400 ohms.
REL1025..$1.25 or 10/$9.95

SENSITIVE RELAY

American Zettler sensitive coil, 5 volt, DPDT, relay. Relay will fit in a 16 pin IC socket. Power at pickup voltage 100mw. Rated load, UL, CSA 1.25A at 150VDC. Coil resistance 125 ohms. Must operate 3.5VDC.
REL1039.....
$1.49 or 10/$10.50

3 NEW RELAYS

Very nice 125Vac DPDT relay by Deltrol Controls. Relay contacts rated at 25A/250Vac, 25A/28Vdc, or 12A/240Vac. REL1053 is the perfect socket for this relay. **REL1057**..... **$3.95**

12Vdc relay by Potter & Brumfield. DPST, NO relay with a coil resistance of 270 ohms. 5A contacts. RKA-7DZ-12. **REL1058**.....
$1.25 ea. or 10/$9.95

24Vdc relay by Potter & Brumfield. DPST, NO relay with a coil resistance of 1100 ohms. 5A contacts. RKA-7DZ-24. **REL1059**.....
$1.25 ea. or 10/$9.95

G. M. RELAYS

There must be a lot of General Motors cars running around out there with no relays, 'cause we got 'em. The 3 GM relays that we have look like they have 20-30 amp contacts. They measure 1-1/16" square by 1" tall not including the contacts. 2 are SPST and 1 is SPDT. You can buy these even if you don't own a GM car. Here is the run down on the bunch. First of all, they are all 12V. GM part number 12135034 is SPST NO with a coil resistance of 80 ohms.**REL1032**..... **.99**
GM part number 12088592 is SPST NO with a coil resistance of 80 ohms.
REL1033..... **.99**
GM part number 12077865 is SPDT with a coil resistance of 80 ohms.
REL1034..... **$1.25**

5V SPDT RELAY

5 Volt SPDT Relay by Magnecraft. Pulls in at 3.8 volts. Drops out at 0.5 volts. 200 ohms coil resistance. .5 amp contacts. Fits in a 14 pin socket.
REL1027..$1.19 or 10/$8.50

TERMS: Add $6.95 shipping and handling (for orders under 3 pounds). Orders over 3 pounds will be charged according to weight and zone. Red (air) Blue (ground 2 days) and Orange (air) (1 day) will all be charged according to weight and zone. Orders over $50.00 add $5 for insurance. No C.O.D. Texas Residents add 8.25% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada add $7.95 minimum shipping and handling. Countries other than Canada add $15.00 minimum shipping and handling.

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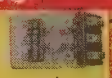
RELAYS



3 pole, double throw, 120Vac relay. 13A contacts. **REL1046**.....$5.95

8 pin octal relay. DPDT, 10A contacts. 120VAC.
REL1047..... $4.19
12Vdc, 10A, 180 ohms.
REL1051..... $4.19
24Vdc, 10A, 180 ohms.
REL1052.....$4.19

11 pin octal relay. 3PDT, 10A contacts. 12Vdc, 180 ohms.
REL1048..... $4.59
24Vdc, 10A, 180 ohms.
REL1049..... $4.59
120Vac, 10A contacts.
REL1050..... $4.59

26.5V DPDT

DPDT 26.5 volt DC relay by HI-G. Very small. Relay measures 3/4"x3/8"x3/8". Coil resistance measures 780 ohms. **REL1036**.....$1.29

DPDT 26.5 volt relay. Real handy. 1-3/8" mounting holes. Coil resistance 300 ohms. **REL1022**.....$1.79

24 VOLT RELAY

This 24Vdc relay will fit in a 16 pin IC socket. It is an Aromat JQ1A-24V. Coil resistance is 2880 ohms. SPST normally open. 5A contacts.
REL1042..... .99

SPST H.D. 24 VDC RELAY. Manufactured by Mid-tex. Contact rating - 30A/120 VAC. 2"x1-7/16" x2". Coil 500 ohms. **REL1003**..... $2.25

DPDT RELAY

Ultra-small package. 10.6mmx5.7 mmx 9mm. Slim polarized relay. DPDT, 4.5Vdc coil rating. 1A contact rating. Coil resistance 145 ohms.
REL1044.....99

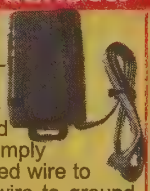
RELAY SOCKETS

Socket for REL 1046. Fits others.
REL1053..... $2.95

8 pin octal relay socket.
REL1054.....$1.99

11 pin octal relay socket.
REL1055..... $2.49

SHOCK SENSOR



The device in a car alarm that trips a relay, or relays whenever the car is bumped or moved. Simply connect the red wire to +12V, black wire to ground. Connect 2 relays to the +12V and the other side of the relays to the green and the yellow wire respectfully. Bump the shock sensor and one relay is energized. Hit the sensor and the other relay is energized. Hook up sirens, lights, etc. to the relays. Unique design using a suspended magnet. Adjustable sensitivity. Relays not included. Sorry, no data.
ACS1381.....$4.45

DPDT. 26.5Vdc. Resistance 600 ohms. 3 amp contacts. Small size. 3/4"x7/8"x3/8".
REL1024..... $1.75

4 pole double throw by Aromat. 24V DC. Coil 700 ohms. 2 amp contacts.
REL1023.....$2.75

SOLENOIDS

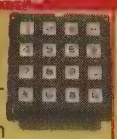
Low profile 1.56"Dx 0.835" cylindrical solenoid by Ledex. Pull type. Stroke range 1/2", nut adjustable. 2.70 ohm coil. 10" leads. 5.2Vdc at 100% duty cycle to 16Vdc at 10% duty cycle. Flat face plunger design. 16 lb. holding force. **ACS1408**..... .99

"D" frame solenoid. 24VDC, HD, intermittent. Resistance is 13 ohms. Shaft length 1-1/2". 97 oz/in. pull. Solenoid measures 1-1/4"x 1"x1-1/4". **ACS1304**..... .99

H.D. SOLENOID

Energize this pull type solenoid and the holding force of 259oz will stay locked in until you release the 12Vdc. It has a continuous holding power rating of 90 watts. Resistance is 13.5 ohms. Measures 1.64"x 1.43"x2.19". 12Vdc continuous duty. **ACS1429**... $2.95

KEYPADS



This 16 key keypad is arranged like a telephone keypad with 4 extra keys lettered A,B,C,D. The pin out is in rows and columns. 8 pin hookup. ABS plastic. Measures 2-1/2"x2-1/2". Contact rating is 20ma, 24VDC. **SWT1067**.... $4.95

This 12 key keypad is arranged like a telephone dial-up pad. 1 common and 12 hook up pads. Made of ABS plastic. Contact rating is 20ma, 24VDC. Measures 2"x2-1/2". **SWT1068**.....$4.95

ATARI

Atari stand alone keypad. I know there are still people out there that would like to have this baby. First come, first served. Limited quantity. New price.
ACS1284..... $5.95

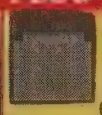
EXPERIMENTERS

Another repeat of a sellout. We finally got these back, and at the same price. Experimenter's keypad for microprocessor applications. 0-9, A-F, 4 function keys, plus 5 other keys. Connector: 0.1" center 10 pin in line female. Peel off adhesive back. Less than 1/16" thick. Operating life over 5 million times. Operating temperature 20 degrees to 75 degrees C. Contact resistance less than 30 ohms. Contact bounce less than 5 mS.
ACS1048.....$4.95

PROTO BOARD

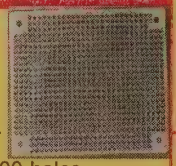
PB-10 by Global Specialties "The breadboard you only buy once." Unconditional lifetime warranty. 8 IC capacity(based on 14 pin ICs). 168 Terminals, 840 Tie Points, 3 Binding posts and a plastic back plate with rubber feet. 7" long, 4" wide, and 1.4" high. This board retails for $17.44 in large quantities.
ACS1406..... $11.45

PLUG AND PLAY



1,580 Tie points. 3 binding posts. 18-14 pin dips capacity. 17.6"x 6.8".
ACS1057..... $19.95
2,420 Tie points. 4 binding posts. 27-14 pin dips capacity. 7.6"x10".
ACS1058.....$29.95
3,260 Tie points. 4 binding posts. 36-14 pin dips capacity. 9.7"x10.7".
ACS1059..... $39.95
840 Tie points. 3 binding posts. 7.6"x4.65".
ACS1386..... $14.50

PROTO BOARDS



Single sided PC board. Individual copper clad holes. 4-1/2"x 6-1/4". 2200 holes.
ACS1054..... $2.95
4-1/4"x3-1/8". Over 900 holes.
ACS1052.....$1.95
3-1/4"x2-1/2". Over 450 holes.
ACS1053..... .99
2-3/8"x2". Over 375 holes.
ACS1433..... .89
1-3/4"x1-1/2". Over 200 holes.
ACS1434..... .69

HALF GOOD

Well guess who wound up with some dual 4 position terminal strips with no screws. That's right, Mr. super buyer, BG. So, I called and screamed, yelled, and cried, but to no avail. They said a deal is a deal. So, in order to cover my mistake, I hired some teenagers, told them to go buy screws and caps and install them, but they only bought half as many as they needed. To make a long story short, I probably have about $4.00 each in every one of these, but I am tired of messing with them.
ACS1441..... .89

TERM. BLOCKS

Cinch Terminal strip. Dual 6 position. 6-140 small terminal blocks.
ACS1320..... .99

Heavy duty 4 dual terminal strip by Kulka. Connect up to #4 wires. Screw terminals.
ACS1312.....$2.99

TERMINAL BLOCKS

Small 5 position dual terminal strip with removable connecting bars. Measures 1-3/4"x5/8"x1/4".
ACS1301..... .49

Cinch terminal strip. 15 position, heavy duty series. Yes I know this is a picture of a 12 position, but I messed up, OK? **ACS1338**..... .79

2-3 POS. BLOCK

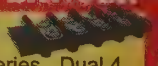
2 position terminal block. Modular housing permits end-stackability and interlocking. 12-22 AWG wire range. 20 amp rating. 3-48 screws on .2" centers.
PWR1057..... .33

3 position terminal block. Modular housing permits end-stackability and interlocking. 12-22 AWG wire range. 20 amp rating. 3-48 screws on .2" centers. **PWR1132**..... .33

QUICK FIT

Use this 12 position terminal block to connect up to 48 quick connect terminals or simply use it for a dual 12 connection feed or mix and match. Measures 6"x1-1/8".
ACS1399.....$1.75

DUAL 4 BANGER



Kulka Heavy duty terminal block. 603 series. Dual 4. Measures 3-7/8"x1-3/4"x 3/4 ". **ACS1431**..... $1.39

HEAT SHRINK

Black Heat Shrink 4' length
1/16"-**ACS1236**..... .79
3/32"-**ACS1237**..... .79
1/8"-**ACS1238**..... .89
3/16"-**ACS1239**..... .89
1/4"-**ACS1240**..... $1.25
3/8"-**ACS1241**..... $1.39
1/2"-**ACS1242**..... $1.49
3/4"-**ACS1243**..... $1.95
1"-**ACS1244**..... $2.90
1-1/2"-**ACS1245**..... $3.97

Clear Heat Shrink 4' length
1/16"-**ACS1246**..... .79
3/32"-**ACS1247**..... .79
1/8"-**ACS1248**..... .89
3/16"-**ACS1249**..... .89
1/4"-**ACS1250**..... $1.25
3/8"-**ACS1251**..... $1.39
1/2"-**ACS1252**..... $1.49
3/4"-**ACS1253**..... $1.95
1"-**ACS1254**..... $2.90
1-1/2"-**ACS1255**..... $3.97

TERMS: Add $6.95 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red (next day), Blue (next 2 day), and Orange (next 3 day) will be charged according to weight and zone. Orders over $50.00 add .85 for insurance. No C.O.D. Texas Residents add 8 1/4% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship DPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada add $7.95 minimum shipping and handling. Countries other than Canada add $15.00 minimum shipping and handling.

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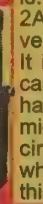
PC BD MAT

PC board material. Single sided copper clad. .031. Sheet measures 3"x5". **ACS1380**..... **$1.89**

IT'S A SUCKER



It is the best solder sucker on the market. Manufactured by Amax Tools in Hamburg Germany, the powerful AX-108 sucks it up and holds it for easy removal. You won't find these suckers this in-expensive anywhere else. **ACS1333..$5.95**

JUST ENOUGH

How many times have you needed some solder and couldn't find any? Buy a couple of these and put them in different places, such as your glove compartment, tool box, etc. 60/40 rosin core. Takes up very little room. Handy size 3-1/2" x1/2" dia.
ACS1146..... **$1.35 ea. or 4/$3.99**

SOLDER

1 Lb. roll of 60/40 rosin core solder manufactured by Alpha. .032 diameter. One Lb. roll. **ACS1165**..... **$7.50**

SOLDER WICK

Remove solder from boards, parts, pants, or anywhere else you don't want it. Heat the soldering iron, put the wick on the solder, and bingo, it's gone. 5 feet of 2mm solder wick. **ACS1293...$1.19**

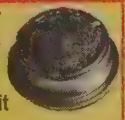
SOLDERING STATION

Dual heat soldering station. 20/40 watt switchable temperature setting. Power on light indicator, heat dissipating coil, and a heavy non slip base.
ACS1294..... **$24.50**

IRON HOLDER

Inexspensive solder iron holder, heat dissipating coil, and a plastic base.
ACS1350..... **$3.95**

TIP CLEANER



No water necessary for this solder iron cleaner. No temperature drop. Heavy duty holder with a rubber foot pad, and it just cleans better.
ACS1292..... **$7.75**

SOLDERING IRON TIP

2.4mm tip for a Weller Portasol portable soldering iron. **ACS1156**..... **$2.95**

BATTERY CABLE

This is a very nice battery cable. 2AWG very flexible. It is a black and red 13 foot long cable used for I don't know what. It has 3-8AWG trunks. Looks like it might have been a battery charging circuit of some kind. Who cares what it was, you can use it for anything. **CAB2091**..... **$4.95**

GROUNDED

Take this tinned, 1/2", tubular braid and ground your equipment. Can't beat this price anywhere on the Internet. Buy this and be grounded.
25 feet. **CAB2092**..... **$6.25**
50 feet. **CAB2093**..... **$12.50**

WIRING HARNESSES

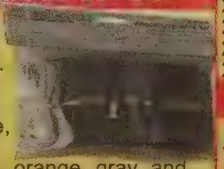
8 ft. wiring harness Red and black 12 gauge wire. Comes with a 20 amp blade type fuse. Individually bagged. With wire lugs and quick disconnect connectors.
PWR1102..... **$2.49**

An 18" 12 gauge red hook-up wire with a blade type fuse holder, 3 amp fuse, a 6 ft. 20 gauge wire, 2-4" cable ties, and a quick disconnect connector. Individually packaged. **CAB2029**..... **.49**

MAGNET WIRE

Magnet Wire. 4 ounce rolls. 20 gauge 4 oz. roll.
ACS1224..... **$3.99**
22 gauge 4 oz. roll.
ACS1225..... **$3.99**
24 gauge 4 oz. roll.
ACS1226..... **$3.99**
26 gauge 4 oz. roll.
ACS1227..... **$3.99**
28 gauge 4 oz. roll.
ACS1228..... **$3.99**

GO HOOK IT UP



10 colors of #22 stranded hook up wire. 5 meters (16.4041995 feet) of white, blue, brown, green, yellow, orange, gray, and violet wire. 10 meters(32.808399 feet) of black and red wire.
ACS1295..... **$5.95**
Same as above, except solid.
ACS1326..... **$5.95**

25 feet of 18 gauge speaker wire. Color coded, copper and silver. Packaged by RCA.
AUD1060..... **.88**

HOOK UP WIRE

100 Feet of wire. Excellent hook up wire. Comes in 10 different colors. Order now so you will have it when you start that new project. Popular sizes 16-18-20-22 gauge. 105 degrees C. Stranded 300 volt.

14 ga-Red-**ACS1257**	**$9.95**
14 ga-Black-**ACS1258**	**$9.95**
16 ga-Red-**ACS1184**	**$5.95**
16 ga-Black-**ACS1185**	**$5.95**
16 ga-Green-**ACS1186**	**$5.95**
16 ga-White-**ACS1187**	**$5.95**
16 ga-Yellow-**ACS1188**	**$5.95**
16 ga-Orange-**ACS1189**	**$5.95**
16 ga-Brown-**ACS1190**	**$5.95**
16 ga-Violet-**ACS1191**	**$5.95**
16 ga-Gray-**ACS1192**	**$5.95**
16 ga-Blue-**ACS1193**	**$5.95**
18 ga-Red-**ACS1194**	**$5.95**
18 ga-Black-**ACS1195**	**$5.95**
18 ga-Green-**ACS1196**	**$5.95**
18 ga-White-**ACS1197**	**$5.95**
18 ga-Yellow-**ACS1198**	**$5.95**
18 ga-Orange-**ACS1199**	**$5.95**
18 ga-Brown-**ACS1200**	**$5.95**
18 ga-Violet-**ACS1201**	**$5.95**
18 ga-Gray-**ACS1202**	**$5.95**
18 ga-Blue-**ACS1203**	**$5.95**
20 ga-Red-**ACS1204**	**$4.95**
20 ga-Black-**ACS1205**	**$4.95**
20 ga-Green-**ACS1206**	**$4.95**
20 ga-White-**ACS1207**	**$4.95**
20 ga-Yellow-**ACS1208**	**$4.95**
20 ga-Orange-**ACS1209**	**$4.95**
20 ga-Brown-**ACS1210**	**$4.95**
20 ga-Violet-**ACS1211**	**$4.95**
20 ga-Gray-**ACS1212**	**$4.95**
20 ga-Blue-**ACS1213**	**$4.95**
22 ga-Red-**ACS1214**	**$4.95**
22 ga-Black-**ACS1215**	**$4.95**
22 ga-Green-**ACS1216**	**$4.95**
22 ga-White-**ACS1217**	**$4.95**
22 ga-Yellow-**ACS1218**	**$4.95**
22 ga-Orange-**ACS1219**	**$4.95**
22 ga-Brown-**ACS1220**	**$4.95**
22 ga-Violet-**ACS1221**	**$4.95**
22 ga-Gray-**ACS1222**	**$4.95**
22 ga-Blue-**ACS1223**	**$4.95**
24 ga-Red-**ACS1267**	**$3.95**
24 ga-Black-**ACS1268**	**$3.95**
24 ga-Green-**ACS1269**	**$3.95**
24 ga-White-**ACS1270**	**$3.95**
24 ga-Yellow-**ACS1271**	**$3.95**
24 ga-Orange-**ACS1272**	**$3.95**
24 ga-Brown-**ACS1273**	**$3.95**
24 ga-Violet-**ACS1274**	**$3.95**
24 ga-Gray-**ACS1275**	**$3.95**
24 ga-Blue-**ACS1276**	**$3.95**

TRIM POT TOOL

Trim pot adjustment tool. Recessed flat blade on one end, protuding on the other.
TOL1022..... **.49 or 3/$1.00**

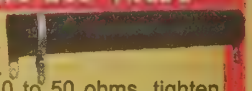
1 K ohm 5 watt 10% wire wound resistor. **RES1030**..... **.27**
360 ohm. 5% 5 watt wire wound resistor. **RES1031**..... **.27**
820 ohm 5% 5 watt.
RES1027..... **.27**

20 TURN 1 WATT

370 Series MIL Spec trim pots. Guaranteed to meet MIL-R-22097. High power 1 watt low temperature coefficient of 100PPM degree C. This is like a regular trim pot on steroids. 20 turn to precisely dial in the correct resistance. Slightly larger than a regular trim pot, but will handle more power. We have a limited quantity of these sealed MIL spec pots in stock. Clarastat 307Y series.

RES1374	**100 ohms.**
RES1376	**1K ohms.**
RES1377	**2K ohms.**
RES1378	**20K ohms.**
RES1380	**200K ohms.**
RES1381	**500K ohms.**
RESxxxx	**.69 or 10/$5.00**

XX OHM 200 WATT



50 ohm, 200 watt, adjustable resistor. Adjust from 0 to 50 ohms, tighten her down, and let the electrons flow. Measures 10-1/2"x1-1/8". Brand new, factory boxed.
RES1372..... **$3.95**
15K ohm, 200 watt, adjustable. Just like above, but different.
RES1373..... **$4.95**

WIRE WOUND

Load this baby up and put some stuff through it. Put your feet on the floor, 'cause you ain't seen nothin' yet. .005 ohm wire wound resistor at 10 watts. Keep those electrons flowing. **RES1385**..... **.49 or 3/$1.00**

SIPS

10 Pin Sip - 9 Resistors with one pin common **2.7k Ohm.** Very popular pull-up resistor.
RES1002..... **20/$1.00 100/$3.95**

WIREWOUND

820 ohms 5 watt wire wound resistor.
RES1026..... **5/$1.00**
50 ohms 5 watt wire wound resistor. **RES1037**..... **.27**
50 ohms 10 watt wire wound resistor. **RES1038**..... **.38-100/$8.00**
7.5 ohms, 5 watt, 5% power resistor. Production quantities available on this one.
RES1077..... **5/$1.00**
2 ohm 25 watt resistor. Manufactured by Dale. 5%.
RES1003..... **.99**
3 ohms 10 watt 10%.
RES1071..... **.38**
200 ohms/10 watts. 1-7/8"x3/8" square.
RES1009..... **4/$1.00**

Here is a great value everyone should have. **.47**
ohms, 5 watt, resistor. **RES1367**..... **.49**
15 ohm, 25 watt, 1%.
RES1078..... **.69**

TERMS: Add $6.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red label (1 day), Blue label (2 day), and Orange label (3 day), will all be charged according to weight and zone. Orders over $50.00 add $5 for insurance. No C.O.D. Texas Residents add 8.18% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada add $7.00 minimum shipping and handling. Countries other than Canada add $13.00 minimum shipping and handling.

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1/4W RESISTORS

1/4 watt 5% resistors. Quantity of 200 each value. **RES**.....**$2.95**

1 ohm. **RES1084**.....
1.2 ohms. **RES1085**.....
1.5 ohms. **RES1086**.....
1.8 ohms. **RES1087**.....
2 ohms. **RES1088**.....
2.2 ohms. **RES1089**.....
2.4 ohms. **RES1090**.....
2.7 ohms. **RES1091**.....
4.7 ohms. **RES1092**.....
5.1 ohms. **RES1093**.....
5.6 ohms. **RES1094**.....
6.2 ohms. **RES1095**.....
6.8 ohms. **RES1096**.....
7.5 ohms. **RES1097**.....
8.2 ohms. **RES1098**.....
10 ohms. **RES1099**.....
12 ohms. **RES1100**.....
15 ohms. **RES1101**.....
18 ohms. **RES1102**.....
20 ohms. **RES1103**.....
22 ohms. **RES1104**.....
24 ohms. **RES1105**.....
27 ohms. **RES1106**.....
30 ohms. **RES1107**.....
33 ohms. **RES1108**.....
39 ohms. **RES1109**.....
47 ohms. **RES1110**.....
51 ohms. **RES1111**.....
56 ohms. **RES1112**.....
68 ohms. **RES1113**.....
75 ohms. **RES1114**.....
82 ohms. **RES1115**.....
91 ohms. **RES1116**.....
100 ohms. **RES1117**.....
120 ohms. **RES1118**.....
150 ohms. **RES1119**.....
180 ohms. **RES1120**.....
200 ohms. **RES1121**.....
220 ohms. **RES1122**.....
240 ohms. **RES1123**.....
270 ohms. **RES1124**.....
300 ohms. **RES1125**.....
330 ohms. **RES1126**.....
390 ohms. **RES1127**.....
430 ohms. **RES1128**.....
470 ohms. **RES1129**.....
510 ohms. **RES1130**.....
560 ohms. **RES1131**.....
680 ohms. **RES1132**.....
750 ohms. **RES1133**.....
820 ohms. **RES1134**.....
910 ohms. **RES1135**.....
1k ohm. **RES1136**.....
1.2k ohm. **RES1137**.....
1.5k ohm. **RES1138**.....
1.8k ohm. **RES1139**.....
2k ohm. **RES1140**.....
2.2k ohm. **RES1141**.....
2.4k ohm. **RES1142**.....
2.7k ohm. **RES1143**.....

1/4 watt 5% resistors. Quantity of 200 each value. **RES**.....**$2.95**

3k ohm. **RES1144**.....
3.3k ohm. **RES1145**.....
3.9k ohm. **RES1146**.....
4.7k ohm. **RES1147**.....
5.1k ohm. **RES1148**.....
5.6k ohm. **RES1149**.....
6.2k ohm. **RES1150**.....
6.8k ohm. **RES1151**.....
7.5k ohm. **RES1152**.....
8.2k ohm. **RES1153**.....
9.1k ohm. **RES1154**.....
10k ohm. **RES1155**.....
12k ohm. **RES1156**.....
15k ohm. **RES1157**.....
18k ohm. **RES1158**.....
20k ohm. **RES1159**.....
22k ohm. **RES1160**.....
24k ohm. **RES1161**.....
27k ohm. **RES1162**.....
30k ohm. **RES1163**.....
33k ohm. **RES1164**.....
39k ohm. **RES1165**.....
47k ohm. **RES1166**.....
51k ohm. **RES1167**.....
56k ohm. **RES1168**.....
68k ohm. **RES1169**.....
75k ohm. **RES1170**.....
82k ohm. **RES1171**.....
91k ohm. **RES1172**.....
100k ohm. **RES1173**.....
120k ohm. **RES1174**.....
150k ohm. **RES1175**.....
180k ohm. **RES1176**.....
200k ohm. **RES1177**.....
220k ohm. **RES1178**.....
240k ohm. **RES1179**.....
270k ohm. **RES1180**.....
300k ohm. **RES1181**.....
330k ohm. **RES1182**.....
390k ohm. **RES1183**.....
430k ohm. **RES1184**.....
470k ohm. **RES1185**.....
510k ohm. **RES1186**.....
560k ohm. **RES1187**.....
680k ohm. **RES1188**.....
750k ohm. **RES1189**.....
820k ohm. **RES1190**.....
910k ohm. **RES1191**.....
1M ohm. **RES1192**.....
1.2M ohm. **RES1193**.....
1.5M ohm. **RES1194**.....
1.8M ohm. **RES1195**.....
2.2M ohm. **RES1196**.....
2.7M ohm. **RES1197**.....
3.3M ohm. **RES1198**.....
3.9M ohm. **RES1199**.....
4.7M ohm. **RES1200**.....
5.6M ohm. **RES1201**.....
6.8M ohm. **RES1202**.....

1/2W RESISTORS

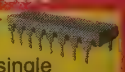
1/2 watt 5% resistors. Quantity of 200 each value. **RES**.....**$3.95**

1 ohm. **RES1203**.....
1.2 ohms. **RES1204**.....
1.5 ohms. **RES1205**.....
1.8 ohms. **RES1206**.....
2 ohms. **RES1207**.....
2.2 ohms. **RES1208**.....
2.4 ohms. **RES1209**.....
2.7 ohms. **RES1210**.....
4.7 ohms. **RES1211**.....
5.1 ohms. **RES1212**.....
5.6 ohms. **RES1213**.....
6.2 ohms. **RES1214**.....
6.8 ohms. **RES1215**.....
7.5 ohms. **RES1216**.....
8.2 ohms. **RES1217**.....
10 ohms. **RES1218**.....
12 ohms. **RES1219**.....
15 ohms. **RES1220**.....
18 ohms. **RES1221**.....
20 ohms. **RES1222**.....
22 ohms. **RES1223**.....
24 ohms. **RES1224**.....
27 ohms. **RES1225**.....
30 ohms. **RES1226**.....
33 ohms. **RES1227**.....
39 ohms. **RES1228**.....
47 ohms. **RES1229**.....
51 ohms. **RES1230**.....
56 ohms. **RES1231**.....
68 ohms. **RES1232**.....
75 ohms. **RES1233**.....
82 ohms. **RES1234**.....
91 ohms. **RES1235**.....
100 ohms. **RES1236**.....
120 ohms. **RES1237**.....
150 ohms. **RES1238**.....
180 ohms. **RES1239**.....
200 ohms. **RES1240**.....
220 ohms. **RES1241**.....
240 ohms. **RES1242**.....
270 ohms. **RES1243**.....
300 ohms. **RES1244**.....
330 ohms. **RES1245**.....
390 ohms. **RES1246**.....
430 ohms. **RES1247**.....
470 ohms. **RES1248**.....
510 ohms. **RES1249**.....
560 ohms. **RES1250**.....
680 ohms. **RES1251**.....
750 ohms. **RES1252**.....
820 ohms. **RES1253**.....
910 ohms. **RES1254**.....
1k ohm. **RES1255**.....
1.2k ohm. **RES1256**.....
1.5k ohm. **RES1257**.....
1.8k ohm. **RES1258**.....
2k ohm. **RES1259**.....
2.2k ohm. **RES1260**.....
2.4k ohm. **RES1261**.....
2.7k ohm. **RES1262**.....

1/2 watt 5% resistors. Quantity of 200 each value. **RES**.....**$3.95**

3k ohm. **RES1263**.....
3.3k ohm. **RES1264**.....
3.9k ohm. **RES1265**.....
4.7k ohm. **RES1266**.....
5.1k ohm. **RES1267**.....
5.6k ohm. **RES1268**.....
6.2k ohm. **RES1269**.....
6.8k ohm. **RES1270**.....
7.5k ohm. **RES1271**.....
8.2k ohm. **RES1272**.....
9.1k ohm. **RES1273**.....
10k ohm. **RES1274**.....
12k ohm. **RES1275**.....
15k ohm. **RES1276**.....
18k ohm. **RES1277**.....
20k ohm. **RES1278**.....
22k ohm. **RES1279**.....
24k ohm. **RES1280**.....
27k ohm. **RES1281**.....
30k ohm. **RES1282**.....
33k ohm. **RES1283**.....
39k ohm. **RES1284**.....
47k ohm. **RES1285**.....
51k ohm. **RES1286**.....
56k ohm. **RES1287**.....
68k ohm. **RES1288**.....
75k ohm. **RES1289**.....
82k ohm. **RES1290**.....
91k ohm. **RES1291**.....
100k ohm. **RES1292**.....
120k ohm. **RES1293**.....
150k ohm. **RES1294**.....
180k ohm. **RES1295**.....
200k ohm. **RES1296**.....
220k ohm. **RES1297**.....
240k ohm. **RES1298**.....
270k ohm. **RES1299**.....
300k ohm. **RES1300**.....
330k ohm. **RES1301**.....
390k ohm. **RES1302**.....
430k ohm. **RES1303**.....
470k ohm. **RES1304**.....
510k ohm. **RES1305**.....
560k ohm. **RES1306**.....
680k ohm. **RES1307**.....
750k ohm. **RES1308**.....
820k ohm. **RES1309**.....
910k ohm. **RES1310**.....
1M ohm. **RES1311**.....
1.2M ohm. **RES1312**.....
1.5M ohm. **RES1313**.....
1.8M ohm. **RES1314**.....
2.2M ohm. **RES1315**.....
2.7M ohm. **RES1316**.....
3.3M ohm. **RES1317**.....
3.9M ohm. **RES1318**.....
4.7M ohm. **RES1319**.....
5.6M ohm. **RES1320**.....
6.8M ohm. **RES1321**.....

RESISTOR NETWORK



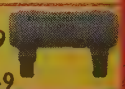
MDP1603 101G. Thick film resistor network, dual in line, molded dip. 8 individual 100 ohm resistors in a single 16 pin DIP package. Resistors are isolated from each other and wired directly across. **RES1383**.....**4/$1.00**

PUSH ON/PUSH OFF

310K ohm, push on, push off control(DPST). Sorta like clap on, clap off. I crack myself up. These brand new pots take a knurled knob and are unthreaded. **RES1368**..... **.49**

15 WATT POWER RESISTORS

.1 ohm. RES1323..... **.69**
.27 ohm. RES1324..... **.69**
.68 ohm. RES1325..... **.69**
1 ohm. RES1326..... **.69**
2.2 ohm. RES1327..... **.69**
3 ohm. RES1328..... **.69**
4.7 ohm. RES1329..... **.69**
5.6 ohm. RES1330..... **.69**
8.2 ohm. RES1331..... **.69**
12 ohm. RES1332..... **.69**
22 ohm. RES1333..... **.69**
39 ohm. RES1334..... **.69**
47 ohm. RES1335..... **.69**
56 ohm. RES1336..... **.69**
82 ohm. RES1337..... **.69**
100 ohm. RES1338..... **.69**
180 ohm. RES1339..... **.69**
270 ohm. RES1340..... **.69**
390 ohm. RES1341..... **.69**
680 ohm. RES1342..... **.69**
1K ohm. RES1343..... **.69**
1.5K ohm. RES1344..... **.69**
3.9K ohm. RES1345..... **.69**
8.2K ohm. RES1346..... **.69**
10K ohm. RES1347..... **.69**
27K ohm. RES1348..... **.69**
47K ohm. RES1349..... **.69**
100K ohm. RES1350..... **.69**



2 very nice 25 watt resistors.
2 ohms 5%. **RES1364**..... **.49**
10 ohms 25 watt 5% resistor.
RES1365..... **.49**

ALPS 50K LINEAR TAPER

50k pot by Alps. This little pot is an excellent size for your projects. PC board mount. Base measures 3/8"x7/16". The 1/4" thru panel flatted shaft measures 7/8" from base to tip. Very smooth action. Linear. **RES1369**.....**5/$1.00**

10K AUDIO TAPER POT

10k audio pot. PC board mount. Base measures 3/8"x7/16". The 1/4" thru panel flatted shaft measures 7/16" with a 5/16" shoulder that extends 3/16" from the base. Very smooth action. Audio taper. **RES1370**.....**5/$1.00**

DUAL GANGED 50K POT

Dual ganged 50k pot. PC board mount. Base measures 3/8"x7/16". The 1/4" knurled knob measures 3/8". Linear taper. Panel mount. Sorry, no hardware. **RES1371**.....**3/$1.00**

WIRE WOUND/POWER

1.8 ohms 10 watt 10%. **RES1010**..... **.38**
5 ohms 15 watt 5%. **RES1011**..... **.45**
10 ohms 15 watt 5%. **RES1012**..... **.45**
24 ohms 10 watt 3%. **RES1013**..... **.38**
51 ohms 15 watt 5%. **RES1015**..... **.45**
82 ohms 10 watt 5%. **RES1016**..... **.38**
200 ohms 10 watt 10%. **RES1017**..... **.38**
250 ohms 10 watts 5%. **RES1018**..... **.38**
510 ohms 3 watts 5%. **RES1020**..... **.25**
680 ohms 3 watts 5%. **RES1021**..... **.25**
1.5K ohms 15 watts 5%. **RES1022**..... **.45**
2K ohms 10 watts 5%. **RES1023**..... **.38**
3.5K ohms 10 watts 10%. **RES1024**..... **.38**
4.7K ohms 18 watts 10%.**RES1025**..... **.45**
3.3 ohm, 7 watt, 10%. **RES1079**..... **.30**
20 ohms, 22 watt, 5%. **RES1080**..... **.45**
20 ohms, 5 watt, 5%. **RES1082**..... **.27**
360 ohms, 5 watt, 0.5%. **RES1083**..... **.27**

TERMS: Add $5.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red label (1 day), Blue label (2 day), and Orange label (3 day) will all be charged according to weight and zone. Orders over $50.00 add $5 for insurance. No C.O.D. Texas residents add 8 1/4% Tax. 30 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada add $7.50 minimum shipping and handling. Countries other than Canada add $15.00 minimum shipping and handling.

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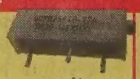
20 TURN 25K



20 turn 25K potentiometer. Measures 3/4"x3/16"x1/4". Screw driver adjust.
RES1384..... **.49 or 10/$3.50**

TRIMMERS AND POTS

500 ohm, 25 turn Bourns trim pot. 3/8" Square Trimmer Potentiometer . PC leads. **RES1075**..... **.69**

25 turn, **2K ohm** trimmer. Dial in any resistance between 0 and 2K ohm.
RES1072..... **.59 or 10/$4.00**

500K single turn trim pot. Thumb wheel or screwdriver adjust. **RES1076**..... **8/$1.00**

We have miniature and standard linear taper potentiometers. The minature pots are 5/8" in diameter with a knurled shaft that is 3/16" in diameter and measures 7/8" in length. The standard is 15/16" in diameter and has a 3/16" diameter shaft that is 1" long. All come with hardware. Miniature:
RES1041.....500ohm
RES1042.....1K
RES1043.....5K
RES1044.....10K
RES1045.....25K
RES1046.....50K
RES1047.....100K
RES1048.....500k
RES1049.....1Meg
Miniature **RESxxxx**..... **.99**
Standard: **RES1050**.....500ohm
RES1051.....1K
RES1052.....5K
RES1053.....10K
RES1054.....25K
RES1055.....50K
RES1056.....100K
RES1057.....500K
RES1058.....1Meg
Standard with switch:
RES1059.....1K
RES1060.....5K
RES1061.....10K
RES1062.....25K
RES1063.....50K
RES1064.....100K
RES1065.....500K
RES1066.....1Meg
Standard and standard with switch
RESxxxx..... **$1.49**

100K ohm potentiometer. Smooth action. Linear taper. Metal 3/16" knurled shaft. Pot measures 5/8" diameter. 15/16" in length. Sorry no hardware.
RES1039..... **.79**

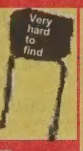
This 20 turn, **20K** ohm potentiometer is a must have for your electronic project. This linear taper pot measures 1-1/4"x5/16"x3/16".
RES1040..... **.59 or 10/$4.00**

A useful size and value. 25 turn, **50 ohm**, 3/8" cermet trimmer by Spectrol. Brand new and ready to offer you a little or a lot of resistance. **RES1074**....**$1.25**

100 ohm 2 watt pot. 2.08" shaft. 1/4" diameter shaft/screw driver adjust. With hardware.
RES1351..... **$1.99**

2K ohm by PEC/Canada. Perfect for LM317, LM350 circuits. 3/4" long shaft. With hardware.
RES1352..... **$2.49**

VARICAPS



Voltage variable capacitors. Discontinued by Motorola. Very Scarce. Very limited quantity. TO-92 case, 2 leads. Ct is specified at 4.0V.
MV2104-Ct=12 pf. CAP1076.....**$1.49**
MV2115-Ct=100 pf. CAP1077.....**$1.49**

MURATA THERMISTOR

Murata NTC thermistor. Temperature sensor coated radial lead type. NTSA0WF104F. 100K resistance(25 degree C). Many applications.

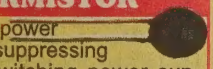
Temp (C)	Resistance Low	Center	High
-40	4059.035	4256.752	4463.654
-35	2876.261	3005.888	3141.042
-30	2062.776	2148.514	2237.591
-25	1497.800	1555.020	1614.264
-20	1098.895	1137.312	1176.955
-15	813.431	839.314	865.934
-10	607.840	625.338	643.275
-5	457.312	469.127	481.198
0	347.243	355.224	363.353
5	266.643	272.045	277.529
10	206.172	209.803	213.477
15	160.304	162.713	165.141
20	125.545	127.117	128.696
25	99.000	100.000	101.000
50	32.503	33.195	33.898
75	12.217	12.598	12.990
100	5.167	5.374	5.588
125	1.438	2.252	2.640

B-Constant 25-50 degrees C 4250+-1%. Maximum current .14mA. **ACS1379**..... **.33**

SMALLER THAN HAIR

VECO number 42A29%20. This thermistor is so small that it comes individually boxed and you have to use tweezers to pick it up. Small bead thermistor by VECO. Bead diameter is .013". Zero power resistance at 25 degrees C is 20,000 ohms. Temperature coefficient-3.2. Ratio at 0 degrees C is 7.2 and at 25 degrees C is 21.0. **ACS1280**..... **.49**

INRUSH THERMISTOR



An inrush current limiting power thermistor is suitable for suppressing high inrush currents in switching power supplies and other applications. Upon application, the power thermistor limits the current flow until the capacitors are charged. The STR012B, by U.S. Sensor, has a resistance @25 degree C of 5 ohms. Maximum steady state current is 12A, and the resistance at maximum current is 0.06 ohms. **ACS1424**..... **.69 ea. or 10/$5.00**

10 TURN PANEL MOUNT

Now here are some nice precision pots. 10 turn, 1/4" diameter shaft. Same as Beckman 7286, Clarastat 73JA, and Spectrol 534 series. 2 watts.
100 ohm. RES1353.....**$9.95**
200 ohm. RES1354.....**$9.95**
500 ohm. RES1355.....**$9.95**
1K ohm. RES1356.....**$9.95**
2K ohm. RES1357.....**$9.95**
5K ohm. RES1358.....**$9.95**
10K ohm. RES1359.....**$9.95**
20K ohm. RES1360.....**$9.95**
50K ohm. RES1361.....**$9.95**
100K ohm. RES1362.....**$9.95**
Turns counting dial. **RES1366**.... **$14.95**

AXIAL CAPS

33uf/50 volt axial lead electrolytic cap by Matsushita. **CAP1032**.....**10/$1.00**
1pf, axial. **CAP1056**.....**8/$1.00**
10pf, axial. **CAP1057**.....**8/$1.00**
1000pf, axial, 630 volts, 2.5%. **CAP1058**.....**8/$1.00**
4700uf/25V. Measures 1-5/8"x3/4". Lead length 1-1/2". **CAP1093**..... **.39 or 3/$1.00**
3300uf/25V. Measures 1-1/4"x5/8". Lead length 1-1/2". **CAP1094**..... **.39 or 3/$1.00**

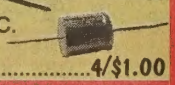
22UF/450V

22uf/450V, 85° C, 18mmx 40mm. Axial. Cap measures 1-1/2"x5/8". Lead length 1/2". **CAP1030**.....**2/$1.00**

6800UF/50V

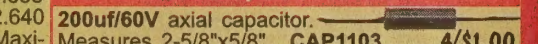
6800uf/50V axial. 60mmx 30.2mm. Long leads. **CAP1083**.....**$1.25**

415uf/100V non polarized axial cap. Great for crossover net-works. Measures 2"x7/8". **CAP1089**..... **.99**



250uf/50V axial 105 degrees C. Great size 1.2"x.88". **CAP1078**.....**4/$1.00**

200UF/60V AXIAL

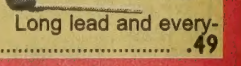


200uf/60V axial capacitor. Measures 2-5/8"x5/8". **CAP1103**.....**4/$1.00**

VERY HIGH VOLTAGE CAP

560PF/2KV. CAP1074..... **2/$1.00**

Door Knob capacitor. **1200 PF/5KV**. Taken from working equipment. Door Knob. **CAP1023**..... **$1.95**



Got voltage? Well, we have the cap for it. **250Pf/10KV**. Bring it on. Long lead and everything. **CAP1100**..... **.49**

MOV IT

One of the most popular sizes, 14mm (.55"). UL, VDE, and CSA listed.

Max VAC	Joules	BG Part#	
30	17	MOV1010	.39
50	29	MOV1011	.39
130	80	MOV1012	.39
150	84	MOV1013	.39
250	140	MOV1014	.39
275	155	MOV1015	.39

Other voltages available. Call for special orders. Minimum buy 100 on special orders.

MOTOR CAP

This capacitor is **10uF/250** volt AC. It's +10% and -5% and 60° C. 2-1/4"x13/16"x1-3/8". **CAP1001**.....**$1.49 or 10/$9.95**

TRIMMERS

P.C. mount trim cap. **2-8 pf**. This NPO dielectric gives incredible temperature stability. Manufactured in Germany by Stettner and Co. Lead spacing 3/10". **CAP1015**..... **.39 ea or 3/$1.00**

1.2 PF to 1.6 PF. Test voltage 250 VDC. Q-Factor @ 200mHz>5000. Designed to operate at V.H.F. through to microwave frequencies. Extremely stable. **CAP1045**.....**4/$1.00**

TERMS: Add $6.00 shipping and handling for orders under 3 pounds. Orders over 3 pounds will be charged according to weight and zone. Red label(1 day), Blue label(2 day), and Orange label(3 day), will all be charged according to weight and zone. Orders over $50.00 add .85 for insurance. No C.O.D. Texas Residents add 8 1/4% Tax. 90 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign Orders U.S. Funds Only. We can only ship UPS to Mexico and Puerto Rico. We ship US mail to all other countries. Canada, add $7.50 minimum shipping and handling. Countries other than Canada, add $15.00 minimum shipping and handling.

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RADIALS

Another new cap. **4700uf/63V**. Size-40x25mm. **CAP1055**.....$1.25

390uf/63V Radial. PC leads. **CAP1060**.....20/$1.00

10uf/25volt - Small size 1/2"x 3/16", radial. **CAP1041**.....10/$1.00

1500uf/63 volts. Long lead radial cap. 85 degree C. Great size 22mmx 41mm. **CAP1053**..... .79 or 3/$2.00

100uf/35 volts. Long lead radial cap. 105 degree C. Great size 8mm x 12 mm. **CAP1054**.....10/$1.00 or 100/$7.00

22uf/400V radial cap. 85 degree C. 20mmx15mm. High voltage caps are hard to find. **CAP1064**.....3/$1.00

TANTALUM CAP

6.8uF/35V molded, radial, tantalum, capacitor. Great size. Great price. **CAP1050**.....10/$1.00
Sprague Tantalum PC lead cap. This cap is idiot proof in that it has 3 legs. .1" spacing with the center lead +. **10uf/16V**. **CAP1063**.....8/$1.00
22uf/16V tantalum. Radial, molded, .2" spacing. **CAP1095**.....10/$1.00

FEED THROUGH CAP

450pf/500V feed-through cap. .28"(7.13mm)x .144"(3.67mm). **CAP1082**..... .49 or 3/$1.00

BYPASS

.47/100V, 1/2" spacing, radial, measures 5/8"x7/8"x1/4". **CAP1031**.....10/$1.00
4.7uf/25V Murata .2 spacing, monolithic, heavy duty bypass cap. **CAP1026**..... .49 or 3/$1.00

MONO CAPS

.01 MONO axial. **CAP1003**..... .04
.01 MONO axial. **CAP1004**..... .035
.1 MONO cap axial. -20+80 Z tolerance. **CAP1029**.....30/$1.00
.22 MONO. **CAP1007**.....8/$1.00
.082uf/250V Radial Metalized Polypropylene Film Cap. **CAP1085**.....12/$1.00
2.5uf/120Vac Film cap-Radial-10%-35mmX 18mmX11mm. **CAP1020**..... .59
.027uf/630V radial box cap. Metallized Polypropylene Film Capacitor. **CAP1080**.....12/$1.00
.033uf/630V radial box cap. Metallized Polypropylene Film Capacitor. **CAP1084**.....12/$1.00
.47uf/200V radial ceramic conformally coated. **CAP1081**.....12/$1.00

MYLAR

Mylar Cap-Production quantities available. **.68uf/400VDC**. Very, very flat. Easy to stack. Very high quality. Used in communications equipment. Surplus from AT&T. Very stable. 1-1/4"x 1-1/8"x3/16" thick. Radial lead. **CAP1021**.....10/$1.00

BOX CAPS

.22uf/250V box cap. Measures 11/16"x 3/16"x7/16". **CAP1104**.....12/$1.00

.02/400 volt box cap. Measures 1/2"x3/16"x3/8". Lead length 1/4". **CAP1052**.....12/$1.00

.047/250 volt box cap. Measures 3/8"x 3/16"x3/8". 1/4" lead length and spacing. **CAP1067**.....12/$1.00

Film cap by Philips. **.15uf/63V** axial. Box cap measures 1/4"x1/4"x1/16". **CAP1040**.... 8/$1.00

RADIAL CAPS

22uf/16V 105 degrees C. Leads formed to .2". **CAP1108**..... .06
56uf/16V 105 degrees C. Leads formed to .2". **CAP1109**..... .06
6800uf/16V. **CAP1110**..... .07

10,000uf/16V radial snap-in. Measures 1"x1" diameter. **CAP1088**..... .69 or 10/$5.00

3300uf/6.3V radial. 20.5mmx12.6mm. **CAP1086**..... .19

2200uf/6.3V radial. 28.6mmx 25.5mm. **CAP1087**..... .19

330uf/400V radial cap. 85 degree C. 51mmx35mm radial snap-in. **CAP1066**..... $1.95 10/$14.75

Small radial electrolytic manufactured by Nichicon. **330uF/25** volt. 85 degree C. Very small. 10x12.5 mm. **CAP1034**.....10/$1.00

330uf/450V radial snap-in. 1-3/8" in diameter, 1-5/8" tall, 105 degrees C. Nippon Chemi-con. **CAP1061**.....$3.95 ea or 5/$15.00

Sprague 80D **4700uf/35V** radial snap in cap. Measures 41mmx26mm. **CAP1068**..... .79

Low ESR, high temperature for switching power supplies. 105° C. **3300 uf/20VDC**. 2-1/8" tall by 1" diameter. Rad. **CAP1002**.....4/$1.00

6800uf/35V by Nichicon. 2"x1". **CAP1024**.....$1.25

Nichicon Radial snap-in **120uf/400** working volts. 1-1/8" diameter 1" tall 105° C. **CAP1027**...$1.95

Electrolytic **1uf/50Vdc** 10% 18mmX13mmX6mm Radial. **CAP1019**..... .15

Radial Electrolytic **220uf/50V**. Diameter 13mmX20mm. **CAP1018**.....10/$1.00

1000uf/50 W.V. Diameter:16mm Height:30mm (85° Centigrade) Radial with wire leads. **CAP1017**..... .49

Radial electrolytic. **2.2uf/50V**. Very small size. Lead length-1/8". 5/16" tall. 3/16" diameter. **CAP1016**.....10/$1.00

2200uf/50v, 105 degrees C. Radial snap-in. **CAP1059**..... .65 or 10/$5.70

470uf/200V radial snap-in. 1-3/16" in diameter, 1-9/16" tall, 85 degrees C. Nippon Chemicon. **CAP1062**..... $2.99 ea or 10/$22.50

47uf/16 volts radial cap. Small size. 5/16" x1/4". Long lead. **CAP1035**..... 12/$1.00

33uf/50V radial cap. 105 degree C. **CAP1071**.....10/$1.00

470uf/250V radial snap-in. 1-3/16" in diameter, 1-1/4" tall, 85 degrees C. Nichicon. **CAP1069**.....$1.95 ea or 10/$14.75

680uf/250V radial snap-in. 1-3/16" in diameter, 1-13/16" tall, 105 degrees C. Nichicon. **CAP1070**.....$1.95 ea or 10/$14.75

33uf/50V radial cap. 105 degree C. **CAP1071**.....10/$1.00

1500uf/63V radial 105 degrees C. Measures 2.17"x.88". **CAP1079**..... .79 or 3/$2.00

10UF/63V RADIAL

10uf/63V radial cap. Small size and small price 1/2"x3/16". **CAP1105**.....12/$1.00

LITTLE STUBBY JR.

Stubby's little brother. **15000uf/35V** radial snap in. 85 degrees "C". 30mm(1.18")X40mm(1.57"). **CAP1098**.....$1.49

YOU WEAR POLYESTER!

You can't wear this mettallized polyester, but you sure can design it into your favorite project. What a great value. **1uf/630V**. Measures 1-1/8"x1/2"x7/8". 1-1/4" leads. **CAP1106**..... .69

METALLIZED POLYESTER

.1uf/630V, 10%, MPE cap. Dielectric: metallized polyester film. Epoxy resin coating. Suitable for blocking, coupling, decoupling, filtering, and bypass timing circuits. Ideal for use in telecommunication equipment, data processing equipment, general electronic equipment, and industrial instruments. Measures 17.5mmX14mm. PC leads. **CAP1099**.....10/$1.00

4.7UF/250V

4.7uf/250V Metallized Polyester film capacitor. 15/16"x7/16"x13/16". PC leads. Panasonic ECQE series. **CAP1101**... .69

MULTILAYER CERAMIC CAPS

.01/100V, CK05BX103K. Multilayer ceramic caps, .2" spacing. **CAP1097**.....10/$1.00

MIL SPEC CAP

CK05BX104K. This MIL Spec cap has .2" lead spacing and is a **.1uf/50V**, 10%. Bag of 500. **CAP1107**..... $17.95

RADIAL SNAP-IN

1200uf/100V radial snap-in. 105 degrees "C". Manufactured by Nichicon. Only 1" tall and 1-1/4" in diameter. **CAP1102**..... .99

IT'S A WINNER

Pretty nice cap and I love the way it mounts. It is radial with a horizontal mounting. **470uf/400V**. Load up on these babies because you know you will need them now and later. Measures 1-7/8"x1-3/8". Nippon Chemi-Con. **CAP1092**..... $1.95

CERAMIC FILTERS

Murata SFU455A-455kHz. 3Db band width is 10 kHz. Termination impedance is 3K ohms. Insertion loss is 5 Db max. Low cost for receiver applications. These are used in the Heath Kit GR1009 AM receiver kit. **ACS1171**..... .59

Murata CFU455H2-455 kHz. Ladder filter. 6Db band-width is 6 kHz. Insertion loss is 6Db. In and out impedance is 2K ohms. Designed for high performance superhet receiver applications. Original OEM cost was $1.80 each. **ACS1172**..... .49

Matsushita EFC-L455K-13E5L Ladder Filter. 455kHz. Same as Murata CFM455F. 6Db bandwidth is 6 kHz. Insertion loss is 5Db. In and out impedance is 2K ohm. **ACS1173**..... .99

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